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PERSONAL.

Mr. Dwight Bailey has accepted a position as a Civil Engineer at Lima, O.

Naval Constructor R. P. Hobson has arrived in New York city from the Philippines.

Professor W. F. M. Goss has been elected Dean of the engineering schools of Purdue University.

Mr. C. H. Lombard has been appointed to teach mathematics in the University of Maine, at Orono.

Mr. Calvin Whitely, C. E., has resigned from the Western Maryland R. R. to accept a position in Richmond, Va.

Mr. Morris Knowles, Assoc. M. Am. Soc. C. E., has resigned as member of the Water Board of Lawrence, Mass.

Mr. E. H. Aldrich has resigned the Second Vice-Presidency of the Sloss-Sheffield Steel & Iron Co., of Birmingham, Ala.

Mr. E. G. Russell has been appointed General Manager of the Rutland R. R., with headquarters at Rutland, Vt.

Mr. George E. P. Smith, C. E., has been elected Assistant Instructor in Engineering at the University of Arizona.

Mr. George Dole Wadley has been elected Superintendent of the Waycross Air Line R. R., with headquarters at Waycross, Ga.

Mr. William F. Wooley has been appointed Assistant Structural Engineer in the office of the State Architect, at Albany, N. Y.

Mr. August Ziesing has been appointed General Western Representative of the American Bridge Co., with headquarters at Chicago, Ill.

Lieut. G. Tarbox is detached from the Baltimore, when out of commission, and ordered to duty in the Bureau of Equipment, Hydrographic Office.

Mr. Charles S. Mellen has been elected President of the Washington & Columbia River R. R., and Mr. George N. Earle has been elected Chief Engineer.

Mr. Linton Williams has been appointed Chief Engineer of the Blackwell, Enid & Southwestern R. R., and will establish his office at Blackwell, Okla.

Mr. D. Nowlan has been appointed to succeed Mr. F. H. Mudge, resigned, as Acting Engineer of Maintenance of Way of the Indiana, Illinois & Iowa R. R.

Lieut. H. P. McIntosh, U. S. N., retired, is detached from the branch Hydrographic Office at Galveston, Tex., and is succeeded by Lieut. Lucien Flynne, retired.

Mr. Stanley H. Cosmey, of Omaha, Neb., a Civil Engineer in the employ of the Southern Pacific R. R., was married Sept. 19 to Miss Hulda M. Anderson, of Bangor, Me.

Mr. W. I. Allen, formerly Assistant General Manager of the Chicago, Rock Island & Pacific Ry., has been elected General Manager of the Cincinnati, Richmond & Muncie R. R.

Mr. William C. Cuntz has sailed for London, England, where he will represent the Pennsylvania Steel Co., as Engineer, with headquarters with Messrs. Sanders & Co., 110 Cannon St.

Mr. G. F. Allardt and Mr. T. W. Morgan have been appointed Special Engineers by the City Council of Oakland, Cal., to determine the manner in which Lake Merritt has been dredged.

Mr. George G. Ward, Vice-President of the Commercial Cable Co. of New York City, has had the Order of the Crown of the Second Class conferred on him by Emperor William of Germany.

Mr. E. A. Williams, Mechanical Engineer of the Minneapolis, St. Paul & Sault Ste. Marie Ry., Minneapolis, Minn., has been elected to the Presidency of the North-West Ry. Club to succeed Mr. Geo. D. Brooke, resigned.

Mr. M. V. B. Searing, Mr. George Singleton and Mr. David Young have been appointed a Board of Water Commissioners of Dover, N. J., to succeed Mr. L. C. Bierwirth, Mr. C. R. Mulligan and Mr. Jacob W. Baker, resigned.

Major Frank Heath, Ordnance Department, will visit the works of Wardner & Swazey, Cleveland, O., on official business pertaining to the inspection of telescopic sights in process of manufacture for the Ordnance Department.

Mr. Andrew M. Moreland has resigned as Director and Secretary of the Carnegie Steel Co., Ltd., and is succeeded by Mr. William W. Blackburn. Mr. William C. McCausland, formerly cashier of Carnegie, Phipps & Co., Ltd., and subsequently cashier of the Carnegie Steel Co., Ltd., has been appointed to succeed Mr. Blackburn as Assistant Treasurer of the latter company.

Col. Henry M. Robert, Major Henry M. Adams, Capt. Chas. S. Riche and Capt. Edgar Jadwin, U. S. Engrs., have been appointed a board to investigate and report on the repair of the fortifications and harbor works at Galveston, Tex.

Mr. Edwin M. Rine has been appointed Acting Superintendent of the Scranton division of the Delaware, Lackawanna & Western R. R. to fill the vacancy caused by the promotion of Mr. T. E. Clarke to the General Superintendency.

Mr. W. G. Bressler has been appointed General Superintendent of the Philadelphia & Reading Ry., and Mr. W. A. Garrett Superintendent of the New York Division, to take the places of Mr. I. A. Sweigard and Mr. E. C. Tomlinson, resigned, respectively.

Mr. Hugo Diemer has been elected Assistant Professor of Mechanical Engineering at the Michigan State Agricultural College. Mr. Diemer was formerly head of the Mechanical Department of the Agricultural and Mechanical College, at Greensboro, N. C.

Mr. L. B. Stillwell, Electrical Director of the Niagara Falls Power Co., has resigned that position and has opened an office as Consulting Engineer at 32 Park Place, New York. Mr. Stillwell will retain a connection with the Niagara Falls Power Co. and the Manhattan Ry Co., of New York, as Consulting Electrical Engineer. Mr. Harold Winthrop Buck has been appointed Electrical Engineer of the Niagara Falls Power Co.

Lieut. Commander Stacy Potts is detached from the Naval Academy and ordered to duty as Inspector of Machinery at the works of Neafie & Levy, Philadelphia, Pa., to relieve Lieut. Harry Hall, who is ordered to the Atlanta. Lieut. W. P. Winchell is detached from duty as Inspector of Machinery at Harrisburg, Pa., and ordered to duty at the Naval Academy, and Lieut G. S. Willets detached from the Solace and ordered to duty as Inspector of Engineering Material at Harrisburg, Pa.

OBITUARY.

Mr. George D. Gilbert, City Engineer of Corry, Pa., died on Sept. 15.

Mr. A. M. Byers, senior member of the firm of A. M. Byers & Co., of Pittsburg, Pa., died Sept. 18.

Mr. J. S. Symington, President of the Sarina St. Ry. Co., Sarina, Ont., died suddenly a few days ago.

Mr. Alexander Thomson, Marine Superintendent of the Atlas State Line in New York, died at Grantus-on-Spey, Scotland, on Sept. 19.

Mr. Israel A. Kelsey, formerly General Manager of the Winchester Ave. R. R. Co., died at his home in West Haven, Conn., on Sept. 24.

Mr. T. O. Bolger, City Engineer of Kingston, Ont., died Sept. 18. Mr. Bolger was 60 years of age and was appointed City Engineer in 1887.

Mr. Watts Cooke, President of the Passaic Rolling Mill Co., died Sept. 25 at Wyckoff, N. J. Mr. Cooke was born in Watteawan, N. Y., in 1833, and in 1868 founded the Passaic Rolling Mill Co.

Mr. Alexander Love, a Civil Engineer in the employ of the New York Central & Hudson River R. R., was killed by an engine while inspecting the concrete work on the Gill Creek bridge, near Echota, N. Y.

Mr. George D'Vys, the last surviving member of the government relief expedition which rescued Dr. Kane, the American explorer, 1855, died Sept. 23 of pneumonia. Mr. D'Vys was born in Baltimore, 1832, and was educated in Civil Engineering.

Mr. W. H. Gleason, a Civil Engineer, died on Sept. 14 from heart disease at his home at Dix, Ill. Mr. Gleason was a captain in the Union Army during the Civil War, and was later employed by the Louisville, Evansville & St. Louis R. R., which he surveyed between Mount Vernon, Ill., and St. Louis, Mo., a few years ago.

Mr. Thomas P. A. Howe, Second Lieutenant 37th U. S. Vols., was recently killed in an engagement on the island of Luzon, Philippine Islands. Mr. Howe was from Minneapolis, Minn., and was 45 years of age. He was a Civil Engineer, and supervised the construction of the Milwaukee & Great Northern short lines between Minneapolis and St. Paul. He also had charge of part of the construction of the steel arch bridge in Minneapolis.

ENGINEERING SOCIETIES

COMING GENERAL MEETINGS.

PENNSYLVANIA STREET RAILWAY ASSOCIATION.
Oct. 10 and 11. Annual meeting at Reading, Pa. Secy., S. P. Light, Lebanon, Pa.
AMERICAN STREET RAILWAY ASSOCIATION.
Oct. 16 to 19. Annual meeting at Kansas City, Mo. Secy., T. C. Pennington, 2020 State St., Chicago, Ill.
AMERICAN INTERNATIONAL ASSOCIATION OF RAILROAD SUPERINTENDENTS OF BRIDGES AND BUILDINGS.
Oct. 16. Annual meeting at St. Louis, Mo. Secy., S. F. Patterson, Concord, N. H.
AMERICAN GAS LIGHT ASSOCIATION.
Oct. 17 to 19. Annual meeting at Denver, Colo. Secy., Alfred E. Forstall, 58 William St., New York city.
AMERICAN SOCIETY OF RAILROAD SUPERINTENDENTS.
Oct. 18. Annual meeting at New York city. Secy., C. A. Hammond, Asbury Park, N. J.
AMERICAN RAILWAY ASSOCIATION.
Oct. 24. Annual meeting at Boston, Mass. Secy., W. F. Allen, 24 Park Place, New York city.
INTERNATIONAL ASSOCIATION FOR TESTING MATERIALS.
Oct. 25 to 27. Annual meeting of American section at New York city. Secy., Richard L. Humphrey, City Hall, Philadelphia, Pa.
ROADMASTERS' ASSOCIATION OF AMERICA.
Nov. 13. Annual meeting at Los Angeles, Cal. Secy., J. B. Dickson, Sterling, Ill.
SOCIETY OF NAVAL ARCHITECTS AND MARINE ENGINEERS.
Nov. 15 and 16. Annual meeting in New York city. Secy., Francis T. Bowles, 12 West 31st St., New York city.

NEW YORK RAILWAY CLUB.—The first monthly meeting of the season was held at the House of the Society of Mechanical Engineers on Sept. 20. A paper on the history and development of the internal combustion engine was read by Mr. John A. Secor, Chief Engineer of the General Power Co., New York city. The speaker gave also a brief description of the Secor oil engine, illustrating the same with lantern slides. The paper was followed by a desultory discussion on burning oil in locomotives and other topics.

INTERNATIONAL ASSOCIATION FOR TESTING MATERIALS.—The third annual meeting will be held Oct. 25 to 27, at the House of the American Society of Mechanical Engineers, New York city. Besides the business matters to be considered, reports will be made by the committees upon the following subjects: "Specifications for Structural Steel for Buildings, Bridges and Ships, and Open-Hearth Boiler Plate and Rivet Steel," "Specifications for Steel Rails and Steel Splice Bars," "Specifications for Steel Axles, Tires and Forgings," "Specifications for Steel Castings and Wrought Iron," "Impact Tests," "Basic and Acid Open-Hearth Steel," "Proper Heat Treatment for Iron and Steel," "Relation between Chemical Combination and Physical Properties of Iron and Steel," "Electrical Testing of Metals." Richard L. Humphreys, Secy.

NEW PUBLICATIONS.

PROVIDENCE FILTRATION REPORT.—Report of the Joint Special Committee of the City Council Upon the Need and Advisability of Constructing a System of Filters for Purifying the City Water Supply. Gardner T. Swarts, Chairman. Paper; 6 x 9 ins.; pp. 93; tables.

The committee in question had the matter of filtration under consideration for two years, and finally reported in favor of mechanical filtration, as noted editorially in our issue of July 12, 1900. Those interested in the relative merits of slow sand and mechanical filtration will find some discussions of the subject here. Perhaps the most marked feature of this sort is "A Communication from the New York Filter Manufacturing Co. to the Chairman of the Committee on Filtration (of the city of Providence) Showing the True Methods of Mechanical Filtration, as Applied to Pawtuxet Water." This letter is really a criticism of a report made to the committee by Mr. Allen Hazen, M. Am. Soc. C. E., of New York. The report of committee also contains various other reports and extracts from reports bearing on filtration and an account of a trip made by the committee to visit filter plants.

YEAR-BOOK OF THE U. S. DEPARTMENT OF AGRICULTURE.—Issued by the Department of Agriculture, Washington, D. C. Pub. doc. Cloth; 8vo.; pp. 880; illustrated.

This volume was prepared with the special intent of forming a part of the U. S. Government exhibit at the Paris Exhibition, and was therefore designed to contain a resumé of the achievements in this country in every branch of science related to agriculture during the 19th century. In addition to the numerous papers relating to the practical and scientific aspects of the farming industry, live stock, dairy work, etc., there are papers of a more technical character, as follows: "Work of the Meteorologist for the Benefit of Agriculture, Commerce and Navigation," F. H. Bigelow; "Progress of Road Building in the United States," Maurice O. Eldridge; "The Practice of Forestry by Private Owners," Henry S. Graves; "Rise and Future of Irrigation in the United States," Elwood Mead; "Development of Transportation in the United States," Angus Sinclair. There are also lists of agricultural and stock breeders' associations, and of agricultural colleges, libraries and experiment stations.

TRADE PUBLICATIONS.

(The standard sizes for pamphlets and trade catalogues recommended by all the principal engineering societies of the United States are: 3½x6 ins., 6x9 ins., and 9x12 ins.)

RAILWAY AND STOCK TANKS.—Minnesota Tank Co., 405 First St., Minneapolis, Minn. Paper; 6 x 9 ins.; pp. 8.

This is a catalogue and price list of elevated tanks for railway and other purposes, and round and square wooden tanks for farm use.

PNEUMATIC AND HAND STAYBOLT CLIPPERS.—Helwig Mfg. Co., St. Paul, Minn. Circulars; illustrated.

These devices are intended for clipping off the ends of firebox staybolts, leaving a smooth clean surface ready for riveting. They will cut bolts up to 1⅛-in. diameter.

PULVERIZERS.—The Schutz-O'Neill Co., Minneapolis, Minn. Paper, 7¾ x 9½ ins.; pp. 12; illustrated.

These machines are for grinding bark, paint, drugs, graphite, etc., requiring no bolting or sifting. Dustless receivers are fitted. For sifting or bolting drugs, etc., the company makes a gyratory sifter with horizontal table.

INDESTRUCTIBLE POSTS FOR FENCES, ETC.—Inland Steel Co., Marquette Building, Chicago, Ill. Paper; 5 x 7¾ ins.; pp. 16; illustrated.

The post consist of a steel angle, tee or tube set in a base of vitrified clay and secured by cement filling. It is adapted for fences, hitching posts, street corner signs, railway signs and signals, etc. It has already been used for fencing on the Chicago Junction Ry., as described in our issue of Oct. 19, 1899.

CONSTRUCTION NEWS.

CONDENSED LIST OF CONTRACTS PENDING WITH DATE OF OPENING BIDS.

Bids to be opened.	Work.	Place.	See Eng. News.
Sept. 27.	Sewers,	New York, N. Y.	Sept. 20
Sept. 27.	School house,	Providence, R. I.	Sept. 27
Sept. 27.	County road bonds,	Trenton, N. J.	Sept. 27
Sept. 29.	Steel bridge,	Gillespie, Ill.	Sept. 27
Sept. 29.	Steel bridge,	Fairman, Ill.	Sept. 27
Sept. 29.	Water-works,	Greene, Ia.	Sept. 20
Sept. 29.	Canal improvements,	Ottawa, Ont.	Sept. 13
Sept. 29.	Brick sewer,	West Roxbury, Mass.	Sept. 13
	Advertised, Eng. News, Sept. 13 and 20.		
Sept. 29.	Electric lamps,	New London, Conn.	Sept. 13
Sept. 29.	Work house,	Washington, D. C.	Sept. 6
Sept. 29.	Lock,	Cincinnati, O.	Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 20.		
Oct. 1.	Lamp posts,	Duluth, Minn.	Aug. 23
	Advertised, Eng. News, Aug. 23 to Sept. 20.		
Oct. 1.	Water-works,	Cardenas, Cuba.	Aug. 30
Oct. 1.	Pumping engine,	Freehold, N. J.	Sept. 13
	Advertised, Engineering News, Sept. 13.		
Oct. 1.	Street improvement bonds,	Youngstown, O.	Sept. 13
Oct. 1.	Truss bridge,	Vancouver, Wash.	Sept. 13
Oct. 1.	School house,	Folsom, Cal.	Sept. 13
Oct. 1.	Hospital annex,	Suisun, Cal.	Sept. 20
Oct. 1.	Asphalt paving, etc.,	New York, N. Y.	Sept. 20
Oct. 1.	Pipe sewer,	Petaluma, Cal.	Sept. 20
Oct. 1.	Steel bridge,	Lillington, N. C.	Sept. 20
Oct. 1.	Water-works,	Waynesville, O.	Sept. 20
Oct. 1.	Power pump, motor, etc.,	Rock Island, Ill.	Sept. 20
	Advertised, Eng. News Sept. 20 and 27.		
Oct. 1.	Library building,	Galesburg, Ill.	Sept. 20
Oct. 1.	Heating plant,	New York, N. Y.	Sept. 27
Oct. 1.	Electric plant,	Waynesville, O.	Sept. 27
Oct. 1.	Bridge superstructure,	St. Paul, Minn.	Sept. 27
Oct. 1.	Arches and bridge,	Warsaw, Ind.	Sept. 27
Oct. 1.	Bridge,	Goshen, Ind.	Sept. 27
Oct. 1.	Bridge joist	Cedargrove, Ind.	Sept. 27
Oct. 1.	Bridge,	Vicksburg, Miss.	Sept. 27
Oct. 1.	Bridge,	Pittsburg, Pa.	Sept. 27
Oct. 1.	Water-works,	Westminster, Md.	Sept. 27
Oct. 1.	Paving, etc.,	Albany, N. Y.	Sept. 27
Oct. 1.	Macadam paving,	Macon, Mo.	Sept. 27
Oct. 2.	Court house,	Lake Providence, La.	Sept. 27
Oct. 2.	City Hall,	Portage, Wis.	Sept. 27
Oct. 2.	Bridges (7),	Unionville, Mo.	Sept. 27
Oct. 2.	Bridge,	Washington, Ind.	Sept. 27
Oct. 2.	Bridge,	Franklin, Ind.	Sept. 27
Oct. 2.	Removing wreck,	Detroit, Mich.	Sept. 27
Oct. 2.	Bridge,	Philadelphia, Pa.	Sept. 27
Oct. 2.	Railway switch,	Washington, D.C.	Sept. 20
	Advertised, Eng. News, Sept. 20 and 27.		
Oct. 2.	Lock,	Ottawa, Ont.	Sept. 13
Oct. 2.	Pipe, hydrants, valves, etc.,	Hoboken, N.J.	Sept. 13
Oct. 2.	Electric lights (50),	Billings, Mont.	Sept. 13
Oct. 2.	Water tunnel and shaft,	Cincinnati, O.	Aug. 30
	Advertised, Eng. News, Aug. 30 to Sept. 20.		
Oct. 2.	Armor,	Washington, D. C.	Aug. 30
Oct. 3.	Lighthouse depot,	Charleston Harbor, S.C.	Sept. 13
Oct. 3.	Steel bridge,	Wellington, Kan.	Sept. 13
Oct. 3.	Asphalt paving (31,000 yds.),	Dallas, Tex.	Sept. 20
Oct. 3.	Dredging, etc.,	Oakland, Cal.	Sept. 20
Oct. 3.	Dredging,	Brooklyn, N. Y.	Sept. 27
Oct. 3.	Paving,	Toronto, Ont.	Sept. 27
Oct. 3.	Fire stations (2),	Providence, R. I.	Sept. 27
Oct. 3.	Sewers,	New York, N. Y.	Sept. 27
Oct. 3.	Bridges (6),	Colfax, Wash.	Sept. 27
Oct. 3.	Bridge,	Kalispell, Mont.	Sept. 27
Oct. 3.	Water pipe,	Washington, D. C.	Sept. 27
	Advertised, Engineering News, Sept. 27.		
Oct. 4.	Bridge abutment, etc.,	Albany, N. Y.	Sept. 27
	Advertised, Engineering News, Sept. 20.		
Oct. 4.	State canal work,	Albany, N. Y.	Sept. 27
	Advertised, Engineering News, Sept. 27.		
Oct. 4.	Crib, submerged pipe, etc.,	Columbus, Ind.	Sept. 27
	Advertised, Engineering News, Sept. 27.		
Oct. 4.	Filter plants, etc.,	New York,	Sept. 27
Oct. 4.	Paving, etc.,	New York, N. Y.	Sept. 27
Oct. 4.	Water pipe, castings, etc.,	New York, N.Y.	Sept. 20
Oct. 4.	Removing rock,	Wilmington, Del.	Sept. 20
	Advertised, Eng. News, Sept. 20 and 27.		
Oct. 4.	Storm sewer,	Hamilton, O.	Sept. 13
Oct. 4.	Grading, etc.,	San Francisco, Cal.	Sept. 13
Oct. 5.	Removing wreck,	San Juan, P. R.	Aug. 9
	Advertised, Eng. News, Aug. 9 to 30.		
Oct. 5.	Quarters, coalshed, etc.,	Ft. McKenzie, Wyo.	Sept. 13
Oct. 5.	Roofing, etc.,	Washington, D. C.	Sept. 20
	Advertised, Eng. News, Sept. 20 and 27.		
Oct. 5.	Crossing stones,	Lansdowne, Pa.	Sept. 20
Oct. 5.	Asphalt paving,	Kingston, N. Y.	Sept. 20
	Advertised, Eng. News, Sept. 20 and 27.		
Oct. 5.	Improving street,	Home City, O.	Sept. 20
Oct. 5.	Police station house,	Cleveland, O.	Sept. 20
Oct. 5.	Electrical machinery,	Detroit, Mich.	Sept. 27
Oct. 5.	Gravel roads,	Danville, Ind.	Sept. 27
Oct. 5.	Park work,	New York, N. Y.	Sept. 27
Oct. 5.	Paving,	Dayton, O.	Sept. 27
Oct. 6.	Water-works,	Heyst-sur-Mer, Belgium	Sept. 27
Oct. 3.	Paving,	Youngstown, O.	Sept. 20
Oct. 6.	Steel work for building,	New York, N.Y.	Sept. 20
Oct. 6.	Sewage pumping plant,	Folsom, Cal.	Sept. 13
Oct. 8.	Sewage disposal beds,	Mansfield, O.	Sept. 13
Oct. 8.	Hospital buildings,	Austin, Tex.	Sept. 13
Oct. 8.	Bonds for paving,	Cleves, O.	Sept. 13
Oct. 8.	Retopping smokestack,	King's Park, N.Y.	Sept. 20
	Advertised, Engineering News, Sept. 20.		
Oct. 8.	School house,	Albany, N. Y.	Sept. 20
Oct. 8.	Wiring building,	Newport, Ky.	Sept. 27
Oct. 8.	Breakwater, and piers,	Lorain, O.	Sept. 27
	Advertised, Eng. News, Sept. 27 and Oct. 4.		
Oct. 8.	Sewer,	Salem, O.	Sept. 27
Oct. 8.	Sewer,	Elkhart, Ind.	Sept. 27
Oct. 8.	Intake pipe, etc.,	Marquette, Mich.	Sept. 27
Oct. 9.	U. S. building,	New Brunswick, N. J.	Sept. 27
Oct. 9.	Water pipe (800 lengths),	Yonkers, N.Y.	Sept. 20
	Advertised, Engineering News, Sept. 20.		
Oct. 9.	Dwelling,	Washington, D. C.	Sept. 20
Oct. 9.	Boiler house,	Hartwell, O.	Sept. 20
Oct. 9.	Dry-dock,	San Francisco, Cal.	Aug. 23
	Advertised, Eng. News, Aug. 16 to Sept. 6.		
Oct. 10.	Electric plant,	Riverside, Cal.	Sept. 20
Oct. 10.	Pipe sewers,	Antigo, Wis.	Sept. 27
	Advertised, Engineering News, Sept. 27.		
Oct. 10.	Iron bridge,	Oskaloosa, Ia.	Sept. 27
Oct. 10.	Altering fire building,	Brooklyn, N. Y.	Sept. 27
Oct. 10.	Electric plant,	Riverside, Cal.	Sept. 27
Oct. 11.	Police stations (2),	New York, N. Y.	Sept. 27
Oct. 11.	Brick stable building,	Detroit, Mich.	Sept. 20
Oct. 12.	Storehouse,	Fort Mott, N. J.	Sept. 13
Oct. 12.	Hospital building,	Ft. Washington, Md.	Sept. 20
Oct. 12.	Repairing superstructure,	Cincinnati, O.	Sept. 27
	Advertised, Eng. News, Sept. 27 and Oct. 4.		
Oct. 12.	Wing walls,	Woodbury, N. J.	Sept. 27
Oct. 13.	Telp. exch.,	Santiago-de-Campostella, Spain.	Sept. 27
Oct. 13.	Steel hoist bridge (2),	Troy, O.	Sept. 27
Oct. 13.	Melan-arch bridge,	Washington, D.C.	Sept. 27
	Advertised, Engineering News, Sept. 27.		
Oct. 13.	Dredging,	Dry Tortugas, Fla.	Sept. 27
Oct. 13.	Sidewalk,	Washington, D. C.	Sept. 27
	Advertised, Engineering News, Sept. 27.		
Oct. 13.	Dykes,	Augusta, Ga.	Sept. 20
	Advertised, Eng. News, Sept. 20 to Oct. 11.		
Oct. 13.	Improving street,	Akron, O.	Sept. 20
Oct. 15.	Pipe sewers,	Florence, Colo.	Sept. 20
	Advertised, Eng. News, Sept. 20 to Oct. 4.		
Oct. 15.	Telephone exchanges,	Budapest, Austria	Aug. 23
Oct. 15.	U. S. building,	Carrollton, Ky.	Sept. 27
Oct. 15.	Office building,	Norfolk, Neb.	Sept. 27
Oct. 15.	Electric lighting,	Glenville, O.	Sept. 27
Oct. 15.	Asphalt paving,	Niles, O.	Sept. 27
Oct. 16.	U. S. building,	Annapolis, Md.	Sept. 27
Oct. 16.	School house,	Seger, Okla. Ter.	Sept. 27
Oct. 16.	Electric plant,	Kirkwood, Mo.	Sept. 27
	Advertised, Eng. News, Sept. 27 to Oct. 11.		
Oct. 16.	Paving (5,800 sq.yds.),	Middletown, O.	Sept. 27
Oct. 16.	Pumping engines (4),	Cincinnati, O.	Aug. 16
	Advertised, Eng. News, Aug. 23, Sept. 6, 20, Oct. 4.		
Oct. 16.	Sidewalks,	Norwalk, O.	Sept. 20
Oct. 17.	U. S. building,	Portland, Ore.	Sept. 20
Oct. 17.	Water plant, etc.,	Pottawatomie, Kan.	Sept. 27
Oct. 17.	Pumping machinery,	Gainsboro, Eng.	Sept. 27
Oct. 18.	Steel and castings,	Fort Monroe, Va.	Sept. 27
	Advertised, Eng. News, Sept. 27 and Oct. 4.		
Oct. 18.	Lock gates,	Ottawa, Ont.	Sept. 27
Oct. 19.	Brick paving,	Cincinnati, O.	Sept. 27
Oct. 19.	Bridge,	Batavia, O.	Sept. 27
Oct. 20.	Bridge,	Frankfort, Ind.	Sept. 27
Oct. 20.	Bridge,	Hailey, Idaho.	Sept. 27
Oct. 21.	Timber wharf,	Bremerton, Wash.	Sept. 27
Oct. 22.	Brick pavement,	Dayton, O.	Sept. 27
Oct. 22.	Dredging,	Washington, D. C.	Sept. 27
	Advertised, Eng. News, Sept. 27 to Oct. 18.		
Oct. 22.	Steel frame tower,	St. Augustine, Fla.	Sept. 27
	Advertised, Eng. News, Sept. 27 to Oct. 11.		
Oct. 22.	Sewerage system,	Umatilla, Ore.	Sept. 27
Oct. 22.	Bridge,	Sydney, N. S. W.	Sept. 27
Oct. 22.	Dormitory, etc.,	Umatilla, Ore.	Sept. 27
Oct. 23.	Water pipe,	Leipsic, O.	Sept. 27
Oct. 25.	Macadam roads (18 miles),	Decatur, Ind.	Sept. 27
Oct. 26.	Electric lighting,	Cienfuegos, Cuba.	Sept. 27
Oct. 29.	Lift bridge,	Cobram, N.S.W.	Sept. 27
Oct. 30.	Hydraulic dredge,	Detroit, Mich.	Sept. 27
	Advertised, Eng. News, Sept. 27 and Oct. 4.		
Oct. 31.	Refuse destructor,	Adelaide, So. A.	Sept. 20
Oct. 31.	Iron work, etc.,	Alexandria, Egypt	Sept. 27
Nov. 5.	Electric plant,	Houston, Tex.	Sept. 13
Nov. 7.	Gravel road,	Atlantic City, N. J.	Sept. 20
	Advertised, Eng. News, Sept. 20 to Oct. 25.		
Nov. 12.	Water pipe, etc.,	Bundaberg, Queensland	Aug. 30
Nov. 14.	Electric railway,	Lahore, India	Aug. 30
No date.	Masonry work,	Grafton, W. Va.	Sept. 27
	Advertised, Engineering News, Sept. 27.		

RAILWAYS.

ARKANSAS SOUTHWESTERN.—Col. J. A. Woodson, Vice-Pres. and Gen. Mgr., Little Rock, Ark., is reported to have authorized E. C. Buchanan to organize an engineer corps to survey a line for an extension of the Pike City division from Pike City, Ark., to Caddo Gap. The line will ultimately be extended to Waldron and Fort Smith.

CANADIAN PACIFIC.—W. F. Tye, Ch. Engr. of Construction, Winnipeg, Man., informs us that an exploration for the proposed Fort Steele branch has been made, but nothing further has been done.

CHARLOTTE COUNTY.—B. P. Eggleton, Pres., Smithville, Va., states that part of the construction capital has been secured, and that the contracts will be let as soon as the stock has been fully subscribed for. No progress has been made in obtaining rights of way.

CINCINNATI, RICHMOND & MUNCIE.—A subsidy of $15,000 is reported to have been voted by Washington township, Ind., to aid the construction of this road.

COLORADO & NORTHWESTERN.—Chas. B. Culbertson, Gen. Mgr., Boulder, Colo., writes us that nothing will be done on the Eldora extension this year.

DES MOINES, IOWA FALLS & NORTHERN.—Secretary Hutchinson is reported as stating that the construction of this line is to be started this fall and the entire road will be built by next year. B. Schreiner, Ch. Engr., Des Moines, Ia.

DULUTH & IRON RANGE.—Reports from Duluth, Minn., state that this company is planning to extend its line westward along the Mesaba range. The road now ends at Virginia, but will be extended to the mining districts in the Mesaba Range. J. L. Greatsinger, Pres. and Gen. Mgr., Duluth.

FEDERAL CONSTRUCTION CO.—Dallis Willett, Pres., Morganfield, Ky., writes us that the proposed railway of the Federal Construction Co., extending from Memphis, Tenn., to West Point, Miss., about 140 miles, has been surveyed, and subscriptions for the stock are now being received. The company will be ready to begin construction next spring. Another survey will probably be made before building operations are commenced.

FORT WAYNE & BUTLER.—C. W. Orr, Pres., Fort Wayne, Ind., informs us that one preliminary survey has been made via Cedarville, Leo and Hursh, and another by way of Maysville to Spencerville, St. Joe and Butler, about 20 miles. The locating survey will not be made until after Oct. 10, on account of the elections for bonuses. L. P. Huntoon, Ch. Engr., Fort Wayne.

GERING & SOUTHERN.—This company has been incorporated in Nebraska to build a road from near Scotts Bluff, on the Burlington, to Gering, a distance of about three miles. Ed. W. Eayre, Pres.; Robt. F. Neeley, Vice-Pres.; Martin Gering, Treas.

GRAND FORKS & KETTLE RIVER.—T. W. Holland, Grand Forks, B. C., writes us that the survey for this road is now in progress. The contract for constructing the line will shortly be awarded. Mr. Holland writes: "With the completion of the railway a new era of progress will be inaugurated in the Boundary country. Republic mines, according to expert advices, will ship 1,000 tons a day to the Grand Forks Smelter for treatment."

HARTFORD & HELENA.—Incorporated in Idaho, according to reports, to build a railway from Hartford down the Snake River to the mouth of Salmon River, about 50 miles beyond Seven Devils. W. Thomas Hart, Pres.; Joseph Perrault, Vice-Pres.; Bamford A. Robb, Secy.

JACKSON, COLUMBUS & NORTHEASTERN.—Incorporated in Mississippi to build a line of railway from Jackson to Columbus, passing through Scott, Rankin, Leake, Neshoka, Winston, Kemper, Noxubee and Lowndes counties. It is proposed to have the line completed by August, 1902. J. D. King, Philadelphia; Newnan Cayce, Columbus, and Presley Graves, Carthage, Miss., are interested.

JAMESTOWN, CHAUTAUQUA & LAKE ERIE.—This company has been incorporated in New York with $750,000 capital stock, to build a standard gage road 10¼ miles in length, between Westfield and Mayville. Chas. M. Preston, Henry B. Wilson and Maitland F. Griggs, of New York, are interested.

KANSAS CITY, FORT SCOTT & MEMPHIS.—This company is said to be preparing to build southwest from Miami, Ind. Ter., through the Indian Territory and Oklahoma. D. Bontecou, Ch. Engr., Kansas city, Mo.

KANSAS CITY, MEMPHIS & BIRMINGHAM.—Surveys are being made for the proposed branch in Walker county, Ala., connecting with the main line near Horse Creek. The line will be about nine miles in length, and a permanent right of way will soon be located. Robt. Klinberg, Res. Engr., Memphis, Tenn.

LAKE ERIE & DETROIT RIVER.—Owen McKay, Ch. Engr., Walkerville, Ont., informs us that the company is doing the necessary clearing and grubbing by day labor, also the building of bridges and culverts on its extension from Ridgetown to Dulton, Ont. The company will also lay the steel and do the ballasting by day labor. The contractors for grading are noted in our issue of Sept. 6.

LONG ISLAND.—It is reported that the Sag Harbor branch is to be extended b ythe company to East Hampton (L. I.), N. Y., there rejoining the main line to Montauk. P. D. Ford, Ch. Engr., Long Island City, N. Y.

MANSFIELD SHORT LINE.—E. C. Hurd, Ch. Engr., Mansfield, O., informs us that the contract for grading this line has been let to C. E. Loss & Co., Contractors, Pullman Bldg., Chicago, Ill., and that the grading will be completed by Dec. 1. Operations were started about a week ago, and will be rushed. About 80% of the right of way is secured. The road will run from Mansfield through Spring Mills to Shelby, O., about 12 miles. C. W. French, Pres., Mansfield.

MASSILLON & LITTLE BEAVER.—A charter has been granted to this company in Pennsylvania, with a capital stock of $30,000, to build a railway five miles in length in Beaver County. Joseph H. Wood, Pres., Pittsburg, Pa.

MEMPHIS & ST. LOUIS.—E. C. Randolph, Ch. Engr., Caruthersville, Mo., informs us that contractors are now cutting out the right of way for the line from Portageville to Hayti, Mo., about 14 miles, which will be through a heavly timbered district. S. S. Barnes, Pres., New Madrid, Mo., will contract for the grading.

MINNEAPOLIS & ST. LOUIS.—Reports from Fort Dodge, Ia., state that the company is considering the question of extending its lines south, with Kansas City as its objective point. H. C. Estep, Div. Engr., Spencer, Ia.

NEBRASKA & SOUTHERN.—The right of way for 165 miles of this road is already secured, according to reports. The road is projected to run north from Grand Island, Neb., to Pierre or Aberdeen, S. Dak., a distance of about 500 miles. A. O. Perry, Atkinson, Neb., is one of the officials of the company.

NORTHERN CENTRAL.—Reports from Baltimore, Md., state that the company has decided on important improvements to be made to the Canton terminals, which will cost about $300,000. E. J. Cleave, Asst. Engr., Williamsport, Pa.

OLEY VALLEY.—A charter has been issued to this company in Pennsylvania, to build a railway from Reading to Boyerstown, Pa. The capital stock is $200,000. John H. Rigg, Reading, is President.

PARIS, CHOCTAW & LITTLE ROCK.—A survey has been completed from Mena, Ark., to the mouth of the Kiamitia River, according to reports. It is stated that the rights of way have been secured, and that the construction will be started in a few months.

PENNSYLVANIA LINES WEST OF PITTSBURG.—The double-tracking of the Pittsburg, Cincinnati, Chicago & St. Louis Ry., between Chicago, Ill., and Logansport, Ind., a distance of 117 miles, is said to have been decided on.

PITTSBURG & LAKE ERIE.—It has been announced that the extension of the McKeesport & Bellevernon division into the West Virginia coal fields has been finally decided on. J. A. Atwood, Ch. Engr., Pittsburg, Pa.

SALT LAKE-PACIFIC COAST.—A second road from the Great Salt Lake in Utah to the Pacific Coast, is projected, according to reports. A party composed of the men interested has gone over the road. F. K. McNamee, County Attorney, Salt Lake City, Utah, who was one of the party, is quoted as follows relative to the scheme: "The survey runs north of Manvel via Ivanpah and Barstow. There is no particular summit to climb, and the steepest grade will be between Las Vegas and Good Springs, and that will be moderate. In fact I doubt if the heaviest grade will be over 1½%. The road will run within 12 miles of Potosi mine, known as a famous lead mine, and caps the keystone in the yellow pine mining district. The road will be comparatively straight, and excepting a gap of 60 miles, will pass through an amply watered country."

SAN FRANCISCO & CLEAR LAKE.—Meetings have been held in Napa and Lake counties, Cal., for the purpose of obtaining subsidies and rights of way for this proposed road, which will run from Lower Lake to Vallejo. A line of steamers will be used in making connections from Vallejo to San Francisco. W. B. King, San Francisco, and Rev. Richard Wylie, Napa, are said to be the promoters.

SHREVEPORT & RED RIVER VALLEY.—Opple & Hayes, Contractors, are reported to have started grading on Sept. 7 at Alexandria, La., that firm having contracted to grade the line to Bayou Dano, 15 miles, and from Alexandria to Mansura, about 35 miles.

SOMERSET & MOOSEHEAD.—W. J. Hayes, of Cleveland, O., who is the principal owner of this road, is said to be at Pittsfield, Me., in the interest of completing the extension of the line from Hartland to Mainstream Village. It is expected to begin work this month.

TRENTON, LAWRENCEVILLE & PRINCETON EXTENSION.—Incorporated in New Jersey with $50,000 capital stock. J. L. Bronson and W. B. Parry, Langhorne, and L. Satterthwait, Trenton, are incorporators.

WARRENTON, BETHANY & WASHINGTON.—Incorporated in West Virginia, to construct and operate a road from Warrenton via Wellsbury to Bethany. James H. McRobert and Wm. H. McKinley, Pittsburg, Pa., and W. H. Bradley, New York, are interested.

WYOMING & WESTERN.—Incorporated in Wyoming with a capital stock of $3,000,000. Wm. Ashton, Res. Engr., Oregon Short Line, Salt Lake City, Utah, informs us that this road will be a feeder to the Oregon Short Line and will be owned by that company. It will be 20 miles in length, extending from Moyer to Muddy Gap, Wyo. The contract has been let to the Utah Construction Co., and grading is now in progress. Surveys are completed. W. H. Bancroft, Pres., Salt Lake City.

STREET AND ELECTRIC RAILWAYS

NASHUA, N. H.—Local papers state that the question of building an electric road between this city and Fitchburg is being considered by capitalists.

BOSTON, MASS.—R. W. Babson, Ch. Engr., Boston & Concord St Ry. Co., Wellesley Hills, informs us that the surveys for the company's line, to extend from Belmont through Concord, Lexington, Woburn, Burlington and Billerica, about 25 miles, have been completed, and rights of way are partly secured. The contracts for construction will be let this winter. The capital has been secured. C. S. Cummings, Pres., 43 Milk St., Boston.

HAVERHILL, MASS.—The Lawrence, Ipswich & Groveland St. Ry. Co. has been incorporated with $62,500 capital stock, to build a line of street railway from North Andover through Boxford and Ipswich to Ipswich Block, a terminus; also from North Andover through Boxford, Groveland to Georgetown, a total length of about 25 miles. Edwin T. McKnight, Boston; Edwin H. George, Groveland, and John Parkhurst, Boxford, are interested.

WORCESTER, MASS.—The Worcester Consolidated St. Ry. Co. has decided to complete the Normal school line as originally planned, and will begin work at once, according to a statement by John N. Akarman, Supt.

NYACK, N. Y.—The Rockland County Traction Co. has been incorporated with a capital stock of $300,000, to build an electric road extending from Upper Nyack to Rockland Lake, about 30 miles. The road will run

through the villages of Nyack, South Nyack, Piedmont and New City. Chas. W. Reeve, a director of the new company, at 150 Nassau St., New York, has advised us that estimates are now being received and that nine miles of the road will be contracted for this fall, but the beginning of operations will be delayed until the price of steel rails is further decreased. The chief engineer has been selected. Mr. Reeve will have charge of the awarding of contracts and of the purchase of materials. Franklin H. Reeve, New York; Frederick Stilwell, Hackensack, N. J., and John W. Dalley, Nyack, are interested.

WOLCOTT, N. Y.—Geo. Austin, Mgr. of Desbroughs Park, Port Bay, is said to have conferred with W. C. Gray, Mgr. of Geneva, Waterloo, Seneca Falls & Cayuga Lake Traction Co. for an extension of that line from Geneva to Desbrough's Park. The route proposed by Mr. Austin is from Geneva to Port Bay, by way of Mitchells, Junius, Marengo, Clyde, West Butler, Wolcott and North Wolcott, about 35 miles.

TRENTON, N. J.—It is stated that the Trenton Passenger Ry. Co. will use the water power at the old Buoby mills to generate the electric current with which to operate the Crosswilks extension.

COLLEGEVILLE, PA.—Surveys are being made for an electric road through the Perkiomen Valley, beginning at this place and running to the Lehigh River, according to reports. A syndicate, comprised of Montgomery county capitalists, is at the back of the project, and Dr. A. R. Saylor, Royersford, is said to be one of the promoters.

PHILADELPHIA, PA.—J. W. Silliman, Engr., Philadelphia & West Chester Traction Co., informs us that the power station at Llanerch was only damaged slightly by fire on Sept. 4, and not destroyed, as stated. Reconstruction is not contemplated.

PITTSBURG, PA.—Thomas N. Fordyce, of Detroit, Mich., is said to be in this city entering into contract with the Westinghouse Electric & Mfg. Co. for electrical machinery and supplies, to cost about $600,000, for the equipment of an electric railway from Cincinnati to Lake Erie, along the Miami and Erie Canal, a distance of about 244 miles. The company plans to build a standard gage road on the bank of the canal and to operate electric motors for the hauling of canal boats. The survey was made by the Standard Engineering Co., Detroit.

YARDLY, PA.—The council has granted a franchise to the Yardley, Morrisville & Trenton St. Ry. Co. to run through this borough. W. F. Sadler is interested.

FRANKFORD, DEL.—Reports state that bids are wanted at once for the construction of an electric railway between this place and Ocean View; probable cost, $80,000. Mr. Bulger, Milliville, is engineer in charge of the construction.

CLARKSBURG, W. VA.—It is stated that the Clarksburg St. Ry. Co. is about to begin the construction of its lines in this city. The company, which is composed of local capitalists, will erect its own power plant. The system will cost about $100,000.

PARKERSBURG, W. VA.—C. H. Shattuck, Pres., Parkersburg Gas, Electric Light & St. R. R., is reported as stating that the company's electric line is to be extended to Beechwood.

SELMA, ALA.—The Selma St. Ry. Co. has been organized with $50,000 capital stock. F. M. Abbott, Pres.; B. Marion, Secy., and A. W. Hall, Supt.

COLUMBUS, O.—The Columbus, London & Springfield Electric Ry. Co., whose road is now under construction, will erect a power plant in this city or at London. The plant is to supply this road and the Grove City line. H. A. Fisher, Gen. Mgr.

COLUMBUS, O.—Colin McDonald, Secy. and Treas. of the Urbana, Williamsburg & Columbus Electric Ry. Co. informs us that the company's line under the present charter will be about 51 miles long, extending from this place to Urbana. Mr. McDonald states that contracts will not be let for at least 30 days. The chief engineer has not yet been appointed, but W. A. Grim will probably be decided on to act in that capacity. H. A. Axline, Pres.

DAYTON, O.—The county commissioners have granted a 25-year franchise to J. P. Wolf and W. P. Sunderland to build an electric road over the pike to the county line near Centerville, about 10 miles. The construction is to be started about May 1, 1901, and completed by March 1, 1902. A company will be incorporated under the name of the Dayton & Lebanon Traction Co. to build and operate the line.

FINDLAY, O.—Local papers state that the Lima & Findlay Electric Ry. Co. will soon file articles of incorporation, to build the projected electric line between Lima and this city. J. D. Armstrong, Lima, and M. V. Eaton, Bluffton, are interested.

FOSTORIA, O.—The contract for constructing the Toledo, Fostoria & Findlay Electric Ry. Co.'s line between Fostoria and Findlay has been let to the Dover Construction Co., Canal Dover, O. The line is to be completed by July 1. Work on the power house and grading operations will be started within two weeks.

TOLEDO, O.—The Toledo Terminal Ry. Co. has been incorporated to build a belt railway encircling this city, to be double-tracked and about 30 miles in length. The enterprise includes two bridges and new docks, the total cost to be about $5,000,000. Thomas H. Tracy, Wm. B. Duck and James F. Murphy are interested.——R. M. Barbour, Toledo, informs us that he has made an examination of the route and a report favoring, under certain conditions, the construction of an electric road from Ft. Wayne via Cherubusco, Wolf Lake, Wawters Park to Syracuse, about 45 miles. Surveys for the line will probably follow and the organization be perfected within a few weeks.

WAYNESBURG, O.—R. R. Jacob writes us that the construction company to whom the contract for constructing the Stark Electric Ry., about 19 miles in length, is to be let, has not yet been organized. C. R. Jones, Pres., Pittsburg, Pa.

ANDERSON, IND.—The Central Traction Co., of this city, is reported to have announced that plans and specifications for the company's proposed system have been completed, and that the contracts will soon be awarded in Cleveland or Philadelphia. The proposed line will extend from Indianapolis to Kokomo, with spurs. The power house will be located in Noblesville. About $1,500,000 will be expended in the construction. Chas. Ford, Gen. Mgr., Kokomo.

GRASS LAKE, MICH.—The council has granted a franchise to W. A. Boland to build an electric road through this village for a period of 30 years.

NORTHVILLE, MICH.—The council has granted a franchise to the Detroit, Plymouth & Northville R. R. to extend its track in this village. B. L. O'Dell, Ch. Engr.

WAUKEGAN, ILL.—The council has granted a franchise to the Waukegan, Fox Lake & Western Electric R. R. for a right of way through the city. It is expected to have the road graded by fall, and to start construction about May 1. The entire road will cost about $600,000. Most of the rights of way have been obtained, and the capital is secured. The central power house will be located at Lake Villa with a sub-station at Gurnee. Plans and specifications for building the line will be prepared and the contracts for material and construction will be let as soon as possible. R. D. Wynor, Pres.; John M. Gray, Vice-Pres., and David T. Webb, Secy.

DENVER, COLO.—Reports state that Omaha (Neb.) capitalists propose to tunnel the great Continental divide, 80 miles west of this city and 12 miles south of Georgetown, and operate an electric railway through it. The line will start at the base about 14 miles from Grant and extend to the headwaters of the Snake River.

FLORENCE, COLO.—We are informed that surveys have been made for the Florence St. Electric Ry. Co.'s 20-mile line, and that rights of way have been obtained. The construction capital is secured, but no contracts have been let. A. B. McFall, Ch. Engr.

GRIMSBY, ONT.—Local papers state that the Cataract Power Co. has made applications to the councils of Saltfleet, Barton and Grimsby for a right of way for an electric railway from Hamilton & Grimsby. The line will be built next spring providing the applications are granted.

ELECTRIC LIGHT AND POWER.

CAMBRIDGE, MASS.—The council has voted against the proposition to build a municipal plant.

NEW LONDON, CONN.—We are informed that the following bids were received Sept. 6 by Maj. Smith S. Leach, U.S. Engr., for furnishing a generating set and accessories; James S. Barrow & Co.'s bid accepted:

Bids Received at New London, Conn., Sept. 6, 1900, for Furnishing a Generating Set and Accessories.

Bidder.	Price, complete.	Date of delivery.	Maker of generator.	Maker of engine.
Crocker-Wheeler Co., New York	$3,321	10 weeks*	Crocker-Wheeler Co.	Erie Ball Engine Co.†
McKay Engineering Co., Baltimore, Md.	2,265	.....	Crocker-Wheeler Co.	Buffalo Forge Co.
Akron Elect. Mfg. Co., Akron, O.	2,275	Dec. 15.	Akron Elect. M. Co	Buffalo Forge Co.
Ridgway (Pa.) Dynamo & Engine Co.	3,900	4 months.	Ridgway D. & E. Co.	W. D. Forbes Co.
Westinghouse, Church, Kerr & Co., New York	2,546	.....	Wstghse, C., K. & Co.	Westinghouse M. Co.
D'Olier Engineering Co., Philadelphia	3,027	60 days.	Keystone.	Ball Engine Co.
Bullock Electric Mfg. Co., Cincinnati, O.	2,825	Jan. 1.	Bullock E. M. Co.	Payne Co.‡
The Eddy Electric Mfg. Co., Windsor, Conn.	3,250	Nov. 25.	Eddy Electric M. Co.	Watertown S. Eng. Co.
Mayo & Rhorer Co., 220 Broadway, New York	2,245	60 days.	Maine Elec.	Buffalo Forge Co.
James S. Barrow & Co., New York	2,134	60 days.	Eddy Electric M. Co.	Buffalo Forge Co.
Fort Wayne (Ind.) Electric Works	3,060	Nov. 1.	Fort Wayne E. Wks.	N. Y. Safety S.P. Co.§
Stanley Electrical Mfg. Co., Pittsfield, Mass.	2,267	Nov. 1.	Stanley Elec. M. Co.	Buffalo Forge Co.
Thresher Electric Co., Dayton, O.	3,080	Nov. 20.	Thresher Elec. Co.	Ball Engine Co.
Onondaga Dynamo Co., New York	2,270	Nov. 15.	Onondaga Dyn. Co.	N. Y. Safety S. P. Co.
New Jersey Foundry & Mach. Co., New York	2,687	60 days.	C. & C. Elec. Co.	N. Y. Safety S. P. Co.
General Electric Co., Schenectady, N. Y.	4,600	Dec. 15.	General Electric Co.	General Electric Co.
W. Irwin Cheyney & Co., Philadelphia	3,254	Nov. 30.	Diehl.	Am. Fire Eng. Co.

*After receipt of order. †With Forbes engine $3,660; time, 4 months. ‡With N. Y. Safety engine $2,675; time, Dec. 1. §With Standard direct-connected set, $2,660.

BATAVIA, N. Y.—Press reports state that Geo. E. Crater, Jr., of New York, will apply to the council for a franchise for a plant and electric railway.

BELVIDERE, N. J.—A plan is said to be on foot to harness the water power in the Delaware River at Big Foul Rift. A plant to develop about 5,000 HP. and furnish light to Phillipsburg, Washington, Hackettstown and other towns in the vicinity will be erected.

SEA ISLE CITY, N. J.—This city will erect a 2-story addition to its electric plant, according to reports. Thomas E. Ludlam, Mayor.

McKEESPORT, PA.—The finance committee has authorized the issue of $50,000 in bonds for a municipal plant.

CRISFIELD, MD.—The secretary of the Crisfield Ice Mfg. Co. writes us that the contract for the generator, switchboards, wire, transformers, etc., has been let to the Rumsey Mfg. Co., Philadelphia, Pa. A 125-HP. engine and a 150-HP. boiler will be purchased from the Erie Iron Works, Erie, Pa. L. L. Kingsbury, Engr., Baltimore. F. P. Webb has charge of the construction.

FREDERICKSBURG, VA.—The following bids are said to have been received Sept. 18 for erecting the new municipal plant: For water and electric light equipment, Tower-Binford Electric & Mfg. Co., Richmond, Va., $10,594; J. F. Buchanan & Co., Philadelphia, Pa., $10,444; Holmes-Rose Electric Co., Baltimore, Md., $10,400; Kingsbury, Samuels & Co., Baltimore, Md., $9,994. For head race, retaining walls, etc., E. G. Heflin, Fredericksburg, $5,770; William Livingston, Fredericksburg, $7,204; G. J. Fletcher, Fredericksburg, $5,225; McDonald & Mussellman, Fredericksburg, $5,800; A. M. Garner, Fredericksburg, $4,210.

MARION, VA.—Press reports state that the council has granted a 15-year franchise for erecting a plant.

NEW IBERIA, LA.—The council has let the contract for erecting a plant and water-works to M. T. Lewman & Co., Columbia Bldg., Louisville, Ky., at $59,695, according to reports.

FLORENCE, ALA.—Edward J. O'Bierne, of Birmingham, is said to have applied for a franchise to erect a plant.

GLENVILLE, O.—Bids are asked until Oct. 15 for lighting this city for three, five, ten or fifteen years, furnishing from 50 to 300 lights. Ira C. Farley, Village Clk.

SPENCERVILLE, O.—Jas. B. Nelson, Consult. Engr., Baldwin Block, Indianapolis, Ind., writes us that the following bids were received August 27 for erecting a plant, (1) being for power house, (2) for steam plant, (3) electrical machinery, (4) pole line, (5) plant complete: Erie City Iron Works, Toledo, O., (1) $3,125 (accepted); (2) $5,600 (accepted). C. L. Olds Construction Co., Fort Wayne, Ind., (4) $3,784. Smith & Sherrick, Lima, O., (1) $4,033. Lawton & Beattie Electric Co., Cincinnati, O., (4) $3,060 (accepted). W. G. Nagle & Co., Toledo, O., (3) $3,495 (accepted); (4) $3,662. Fort Wayne Electric Works, Fort Wayne, Ind., (3) $3,693; (4) $3,662. W. N. Zurflue, (4) $3,200. General Electric Co., Schenectady, N. Y., (3) $4,295. F. Bissell & Co., Toledo, O., (4) $3,150. Potter & Benson, Chicago, Ill., (4) $4,800; (5) $20,260.

WAYNESVILLE, O.—Bids are asked, according to reports, until Oct. 1 for erecting the proposed electric plant. G. L. McKibben, Engr., Van Wert.

LAWRENCEBURG, IND.—We are informed that all bids for erecting the electric plant here have been rejected, and the work will be readvertised. Jas. B. Nelson, Consult. Engr., Baldwin Block, Indianapolis, Ind.

ROCKVILLE, IND.—It is stated that the city plant was recently damaged by fire; loss about $2,500.

DETROIT, MICH.—Bids are asked until October 5, for furnishing the following machinery, erected: One 800-HP. vertical type 3-crank triple expansion engine, working on 160-lbs. pressure, and 26-in. vacuum at 120 revs. per min., steam consumption not to exceed 12½ per indicated horse power. One 600-K-W. 2-phase, 2,200-volt, direct-connected alternating generator, running at 120 revs. per min., and 7,200 alternations per minute. To be of at least 93% full load efficiency, and have a minimum of all load to no load regulation of 10%. One 200-HP., 2,200-volt, 2-phase induction motor, running at 500 revs. per min., 7,200 alternations per second, with minimum full-load efficiency of 93%. One 5,000-volt constant current arc dynamo, running at 500 revs. per min., connected to above induction motor and having a minimum full-load efficiency of 87%. One 40-K-W., compound-wound, 125-volt multipoler exciter, for 600-K-W. alternator, running at 325 revs. per min. Also rheostats, switches and switchboard instruments. Specifications on file at the office of Engineering News, 220 Broadway, New York.

MENDON, MICH.—Press reports state that the people of this town voted recently at a special election to issue $8,000 in bonds for erecting a municipal plant.

AVA, ILL.—R. J. Matthews writes us that all contracts have been let for rebuilding his plant, which was recently burned.

JEFFERSON, WIS.—At a special election it was decided, according to reports, to purchase the plant of the Jefferson Electric Light & Power Co for $25,000.

TWO RIVERS, WIS.—The council is said to have let the contract for erecting a plant and water-works to S. P. Miller & Co., 45 Michigan St., Chicago, Ill., at about $60,000. An additional issue of $20,000 in bonds was required to pay for certain changes in the original plans.

MUSCATINE, IA.—The Muscatine Electric Light & Power Co. will purchase a site at once and erect a new plant, according to reports.

HIBBING, MINN.—The council is said to have appropriated $1,200 for improving the municipal plant.

BILLINGS, MONT.—Bids are asked, according to reports, until Oct. 2 for furnishing 50 electric street lights from July 1, 1901, to March 1, 1907. J. R. Herford, Cy. Clk.

KIRKWOOD, MO.—Bids are asked until Oct. 16 for erecting an electric light plant, as stated in our advertising columns. W. M. Daly, Mayor; J. G. Hanken, Cy. Clk.

SPOKANE, WASH.—Press reports state that the Post Falls Electric Co. will erect a plant to cost about $750,000. B. C. Riblet, 1819 Riverside Ave., is making surveys and contracts will probably be let in about three weeks. Large steel flumes will be connected with the water wheels, each of which will develop 3,500 H-P.

HANFORD, CAL.—Press reports state that a power project that has been under consideration by local capitalists, was brought to completion at a meeting of the Mammoth Electric Co., which proposes to develop electric power in large quantities and transmit it to San Francisco and other cities of the state. The company has filed on water rights in the Upper San Joaquin, which, it is estimated, will develop about 55,000 HP., while by constructing a flume 12 miles long, a fall of 2,100 ft. is obtained. The plant required for this undertaking will represent an outlay of $2,500,000 when completed. H. G. Lacey, J. E. Rawlins, O. M. Lacey, of Hanford, and J. S. Eastwood, C. E., Fresno, are said to be interested.

REDLANDS, CAL.—H. H. Sinclair writes us that the California Power Co. has just been organized and surveys are now in progress. Water rights, enabling the development of 40,000 HP. have been secured, and a 20,000-HP. plant will be built as soon as plans and surveys are completed. Triphase electric system will be used, and power transmitted to Los Angeles and other points in Southern California. The projectors are the same parties who built the Redlands Electric Light & Power Co. and Southern California Power Co. The plant will be located on the Kern River, and cost about $2,000,000. Bids will be received about July, 1901.

COLUMBIA, B. C.—On Sept. 29 this city will sell $35,000 in bonds for erecting a plant and water-works and for street improvements, according to reports. J. A. McCollum, Cy. Clk.

BRIDGES.

GRASMERE, N. H.—The question of building a new bridge over the Piscataquog River, at this place or to repair the present structure, will be discussed at the special town meeting to be held Sept. 27.

PITTSFIELD, MASS.—The board of public work has awarded the contract for the superstructure of the new Linden St. bridge to the Berlin Iron Bridge Co., East Berlin, Conn., at $1,990.

BRANFORD, CONN.—The bridge over the Branford River, leading to Indian Neck, recently collapsed. The town will probably build a new structure at once.

ALBANY, N. Y.—Bids are asked until Oct. 4 for rebuilding a stone abutment, wing walls and approach of the bridge over the outlet of Crooked Lake, Penn Yan, and for rebuilding the supporting crib piers and the wooden bridge over the Oneida River at Three River Point, near Phoenix, as stated in our advertising columns. John N. Partridge, Supt. Pub. Wks.——The following contracts have been awarded by John N. Partridge, Supt. Pub. Wks., for bridge work: For constructing a bridge at Catherine and Almond Sts., Syracuse, the Havana Bridge Works, Montour Falls, at $19,975; for a bridge at Foreman St., Cazenovia, John Kelly & Co., Syracuse, at $7,385.

BUFFALO, N. Y.—The aldermanic committee has reported to the board of aldermen in favor of granting the petition of the South Buffalo Ry. Co. to build a bridge across the Buffalo River at Tifft St., for the purpose of making connections with the Delaware, Lackawanna & Western R. R.

MERRICK (L. I.), N. Y.—It is stated that the bridge which crosses Commons stream in this village and Fitzgerald's pond in Bellmore, are to be replaced by iron structures.

ROCHESTER, N. Y.—City Engineer Fisher has received from State Engineer Bond the plans and specifications for the new canal bridge to be erected at West Ave. this winter. Bids will be called for at once.

SEABRIGHT, N. J.—The freeholders voted Sept. 24 to build a new bridge over the South Shrewsbury River, at a cost of about $60,000.

WOODBURY, N. J.—Bids are asked until Oct. 12 for building an extension of the wing walls to the bridge over the creek at Broad St. The work will require about 650 cu. yds. of masonry. Wm. M. Carter, Engr.

PHILADELPHIA, PA.—Bids are asked until Oct. 2 for constructing a bridge on the line of Coulter St. over the Philadelphia, Germantown & Chestnut Hill R. R., and for constructing a subway and tunnel in Pennsylvania Ave. Wm. C. Haddock, Dir. Dept. Pub. Wks.

PITTSBURG, PA.—Bids are wanted until Oct. 1, according to local papers, for the construction of a new bridge from Wilmot St., Oakland, to Schenley Park. Geo. W. Wilson, Dir. Dept. Pub. Wks.

WASHINGTON, D. C.—Bids are asked until Oct. 13 for the construction of a Melan arch bridge across Rock Creek in the National Zoological Park on the line of the Quarry Road, as stated in our advertising columns. Lansing H. Beach, Engr. Comr.

ELLICOTT CITY, MD.—The commissioners of Howard and Baltimore counties have agreed to erect a new iron bridge at Avalin, crossing the Patapsco River, to cost about $4,430. Thos. H. Disney, Engr.

GRAFTON, W. VA.—Bids are wanted by Geo. S. Good & Co., Contractors, Grafton, for masonry work to be done in connection with the replacing of wooden bridges with masonry, at Grafton. Sandstone and all facilities are convenient to structures, as stated in our advertising columns. The company has the contract for replacing all the bridges with masonry on the Grafton & Belington Division of the Baltimore & Ohio R. R., in West Virginia, and will commence work at once. The company's headquarters is at Lock Haven, Pa.

VICKSBURG, MISS.—Bids are asked until Oct. 1 for building a bridge across Glass Bayou on Locust St. H. J. Trowbridge, Cy. Clk.

ALEXANDRIA, LA.—The Alexandria & Pineville Bridge Co. has let the contract for building a steel bridge across the Red River to the G. E. King Bridge Co., of Des Moines, Ia. The bridge will be 850 ft. long and about 29 ft. wide.

BATAVIA, O.—Bids are asked until Oct. 19 for constructing a 90-ft. bridge over Nine-Mile Creek, according to reports. John W. Davis, County Audr.

CINCINNATI, O.—Bids are asked until Oct. 12 for reconstructing and repairing the superstructure and approaches of the Liberty St. viaduct, as stated in our advertising columns. Robert Allison, Pres. Bd. Pub. Service; Geo. F. Holmes, Clk.

TROY, O.—Bids are asked until Oct. 13 for constructing two steel hoist bridges over the Miami and Erie Canal, one at Market St., Troy, and the other at Ash St., Piqua. The Market St. bridge is to be 32 ft. long and 56 ft. wide, and the Ash St. is to be 46 ft. long and 46 ft. wide. J. T. Bartiness, County Audr.

CEDARGROVE, IND.—Bids are asked until Oct. 1 for new steel joists, etc., for the bridge near this town. G. Ray King, County Audr., Brookville.

FRANKLIN, IND.—Bids are asked until Oct. 2 for building a bridge on Charlestown Road, in district No. 5, to have a 20-ft. span. Geo. R. McCoy, Township Trustee.

FRANKPORT, IND.—Bids are wanted by the county auditor until Oct. 20 for constructing a bridge in this county.

GOSHEN, IND.—Bids are asked until Oct. 1, according to reports, for building a 45-ft. bridge, with stone abutments, across Yellow Creek, in Concord township. Peter D. Berkey, County Audr.

INDIANAPOLIS, IND.—Bids are wanted by the county commissioners until Sept. 29 for building the north approach to the bridge over Fall Creek, near Hammond's Grove.

PORTLAND, IND.—Bids are asked until Sept. 28 for constructing two bridges, one to be 50 ft. long and the other 60 ft., according to reports. I. Weisel, Chn. County Comrs.

WARSAW, IND.—Bids are asked until Oct. 1, according to reports, for building two stone arches and one steel bridge 24 ft. long. W. Y. Chamberlain, Cy. Engr.

WASHINGTON, IND.—It is stated bids are wanted until Oct. 2 for constructing a bridge across Aikman's Creek in Harrison township. R. Russell, County Audr.

FAIRMAN, ILL.—Bids are asked until Sept. 29 for constructing a steel bridge 70 ft. long, according to reports. I. E. Marshall may be addressed.

GILLESPIE, ILL.—Bids are reported wanted until Sept. 29 for constructing a steel bridge, to be 40 ft. in length. Chas. Lister, Town Clk.

OSWEGO, ILL.—Bids are wanted by the village trustees, according to reports, until Sept. 29, for an iron bridge, to have a 40-ft. span, with abutments of stone. E. C. Troll, Village Clk.

ST. ELMO, ILL.—Bids are asked until Sept. 28 for constructing a steel bridge 40 ft. long and 14 ft. wide, according to reports. Ira McCollom will receive the bids.

CEDAR FALLS, IA.—The county supervisors have appropriated $20,000 to be used in the construction of a new bridge across the Cedar River, at this place.

GREENE, IA.—A petition has been circulated in this town for a new bridge over the Shellrock River.

OSKALOOSA, IA.—Bids are wanted by the board of supervisors until Oct. 10 for building an iron bridge across North Skunk River, in Pleasant township, according to reports. Estimated cost, $2,000.

ST. PAUL, MINN.—Bids are asked until Oct. 1 for constructing superstructure for the Western Ave. bridge, estimated to cost $5,700. The bridge will have one 165-ft. combination span, with a roadway 18 ft. wide and two 5-ft. sidewalks. Matt Jensen Cy. Clk.

FAIRBURY, NEB.—The county commissioners have awarded the contract for building all new bridges and repair work for the ensuing year to the Canton Bridge Co., Canton, O., according to reports.

KALISPELL, MONT.—Bids are reported wanted by the County Clerk until Oct. 3 for building a bridge across the Stillwater River.

UNIONVILLE, MO.—Bids are asked until Oct. 2 for building three steel and four combination bridges in Putnam County, according to reports. A. F. Davis, Bridge Comr.

COLFAX, WASH.—Bids are asked until Oct. 3 for constructing six county bridges, according to reports. John F. Corber, County Audr.

OAKLAND, CAL.—The following bids have been received for building a concrete culvert on the San Leandro road, near High St.: J. H. Tornely, $2,793; E. H. Stone, $2,610; Chas. Wehner, $2,597 (accepted).

HAILEY, IDAHO.—Bids are asked until Oct. 20 for constructing a bridge over the Little Wood River in Blaine County, according to reports. W. E. Heard, Clk. County Comrs.

VANCOUVER, B. C.—Reports state that the Canadian Pacific R. R. is to build a bridge over the Columbia River at Robson, to connect the Columbia-Kootenay Ry. with the Columbia & Western.

VICTORIA, B. C.—The street and bridge committee has recommended to the council the reconstruction of the Rock Bay bridge swing, at a cost not to exceed $2,500.

BUILDINGS.

BOSTON, MASS.—F. J. Untersee, 187 Devonshire St., is said to have prepared plans for a 3-story brick parochial school for Rev. J. J. Williams, to cost about $100,000.

CHELSEA, MASS.—Bids are asked by Walter Bachelder, City Hall, until Sept. 28 for erecting a fire station.

SPRINGFIELD, MASS.—The school board will erect a new schoolhouse on Emery St., to cost about $50,000, according to reports. E. A. Blodgett, Chn.

PROVIDENCE, R. I.—Bids are asked of local parties until Sept. 27 for a school on Webster Ave., and until Oct. 3 erecting a fire station on Douglas Ave., and one on Laban St. and Laurel Hill Ave., Eighth Ward. Burmah E. Perkins, Chn. Com.

BROOKLYN, N. Y.—The Taylor & Fox Realty Co., 45 Broadway, is said to be interested in the scheme to erect a new hotel in the eastern district to cost about $200,000.

BROOKLYN, N. Y.—Plans have been filed by C. P. Skelton, Sixth Ave. and Second St., for a 4-story brick store and loft building, 96 x 52 ft., at Flatbush Ave. and Dean St., to cost about $26,000. G. Morgan, builder, 415 Sixth Ave.; by C. E. Paterson, 460 Seventh St., for four 4-story brick dwellings, 19 x 55 ft., at Plaza Place and Flatbush Ave., to cost about $72,000; Roosen & White, 68 Fort Greene Place; by Forstrick & Lamster, 217 West 125th St., New York, for two 4-story brick apartment houses, 25 x 65 ft., at Sands St., near Bridge, to cost about $30,000.——The warehouse of Nash, Whitten & Co., at Bowne St., on the Atlantic Dock, was destroyed by fire recently. Two warehouses owned by the Lyman Grain Drying Co. were also damaged; total loss, about $100,000.

BROOKLYN, N. Y.—Bids are asked by the fire department, 157 East 67th St., New York, until Oct. 10 for altering and repairing the headquarters building at 365-367 Jay St., also for altering and repairing the plumbing and gas-fitting in the same building.

BINGHAMTON, N. Y.—The trustees of the Binghamton Barlow Industrial School will, it is said, soon have plans prepared for a new schoolhouse, to cost about $30,000. L. S. Abbott, Secy.

BUFFALO, N. Y.—It is stated that Stewart Bros., 1094 Ellicott Square, will erect an 8-story brick business building on Main St., near Mohawk.

NEW YORK, N. Y.—We are informed that the Woman's Hotel Co., Room 818 Townsend Bldg., 1123 Broadway, has not yet closed the deal for a site on which to erect their 12-story fireproof hotel, to cost about $450,000.——Price & Darrash, 1133 Broadway, write us that the general contract for the new 10-story apartment hotel and dormitory, 202 x 100 ft., at Amsterdam Ave. and 120th to 121st Sts., for the Morningside Realty Co., to cost about $600,000, has been let to the A. J. Robinson Co., 123 East 23d St., and the contract for the steel and ornamental iron work to Milliken Bros., 11 Broadway.——Paul C. Hunter, Arch., 1148 Stebbins Ave., informs us that the six 2-story brick dwellings, 20 x 126 ft., at 168th St. near Union Ave., will be heated by steam and gas lighted. William Robitzek, Owner, 1046 East 169th St., will receive bids, which will be opened by the architect. The buildings will cost about $66,000.

NEW YORK, N. Y.—Bids are asked by the committee on buildings of the board of education, 59th St. and Park Ave., until Oct. 1, for installing a heating and ventilating apparatus in public school No. 171, Manhattan, and in public school No. 6, Richmond Borough.——W. A. Bates, 100 Broadway, is said to have prepared plans for rebuilding the Gramatan Inn in Lawrence Park, Bronxville, which was recently destroyed by fire; A. W. Lawrence, Owner, 542 Fifth Ave.——The Terminal Stores Building, at Eleventh Ave. and 27th to 28th Sts., was recently damaged by fire to the extent of $150,000; Frank Latham, Supt.——It is stated that plans have been prepared for the new Lady Chapel at St. Patrick's Cathedral, to cost about $240,000.——Bruce Price, 1133 Broadway, is said to have prepared plans for a 5-story stone residence, 40 x 67 ft., at Fifth Ave., near 73d St., for Samuel Thome, to cost about $95,000, and also for a 5-story stone residence, 25 x 50 ft., adjoining, to cost about $55,000. Mrs. Howard Gould is said to have approved plans for her new residence, at Fifth Ave. and 73d St., to cost about $750,000.

NEW YORK, N. Y.—Bids are asked by the police department, 300 Mulberry St., until Oct. 11, for erecting, complete, the new station-house prison and stable at Sedgwick Ave., near East 167th St., Bronx Borough. Also for erecting complete the new station-house, prison and stable at Bathgate Ave., near 177th st., Bronx Borough. Wm. H. Kipp, Ch. Clk.——The following bids were received Sept. 24 by the department of charities, foot of East 26th St., for erecting a new boiler house and installing a central steam plant on Randall's Island: Albert Winternitz $20,434, Howe & Bassett $22,250, Frank Dobson $22,900; E. Rutzler $27,500, P. Cavanaugh $22,948, Burnham & George $27,703, and the following for constructing and installing a new boiler plant at the infants' hospital, Randall's Island: Howe & Bassett $85,250, E. Rutzler $86,165, Frank Dobson $86,945.

ROCHESTER, N. Y.—J. F. Warner, 1006 Granite Bldg., has prepared plans for the Rochester Athenaeum and Mechanic buildings, to cost about $150,000, according to reports.

WILLETS POINT, N. Y.—The following two lowest bids were received Sept. 18 by Lieut. Wm. B. Ladue, U. S. Engr., Fort Totten, for erecting an ordnance storehouse, as advertised in Engineering News: Harold K. Gillingham, Bronx Ave., New York, $6,909; Michael O'Sullivan, 189 55th St., Brooklyn, $7,243.

YONKERS, N. Y.—Wm. F. Cochran has given the city $125,000 for a new building at Hollywood Inn.

ATLANTIC CITY, N. J.—Milligan & Weber, 520 Walnut St., Philadelphia, Pa., are preparing plans for a new hotel building here to cost about $500,000.

NEW BRUNSWICK, N. J.—Bids are asked until Oct. 9 for constructing the basement of the U. S. post office building. James K. Taylor, Supv. Arch., Treasury Dept., Washington, D. C.

OCEAN GROVE, N. J.—Bids are asked by the board of fire commissioners of fire district No. 1, Neptune township, until Oct. 1, for erecting a new fire house. Brouse & Arend, Archs., Asbury Park.

SPRING LAKE, N. J.—Fourteen buildings, including the Carleton and Monmouth House, were destroyed by fire Sept. 19; loss, about $300,000.

WEEHAWKEN, N. J.—At a special election held Sept. 18, it was voted to issue $70,000 in bonds for erecting a new school house.

PHILADELPHIA, PA.—Wm. Copeland Furber, Arch., 421 Chestnut St., writes us that the contract for erecting the 2-story brick factory building, 75 x 180 ft., at Richmond and Vienna Sts., for the Remington & Sherman Co., has been let to Jacob Myers & Sons, Juniper and Sansom Sts.——It is stated that the construction of the new parochial school at 23d St. and Montgomery Ave., for St. Elizabeth's Church, has been deferred until next spring. Henry D. Dugit, Arch., 435 Chestnut St.

PITTSBURG, PA.—Press reports state that S. J. Little & Co. will erect a 6-story brick building to replace the Penn Building.——It is stated that A. R. Peacock, of the Carnegie Steel Co., will erect a residence at Wellseby and North Highland Aves., to cost about $350,000.

ANNAPOLIS, MD.—Bids are asked until Oct. 16 for constructing (except heating apparatus, electric wiring and conduits) the new U. S. post office building. James K. Taylor, Supv. Arch., Treasury Dept., Washington, D. C.

BALTIMORE, MD.—A number of local contractors have been invited to submit bids for erecting the new hall for St. Michael's Catholic Church, to cost about $45,000, according to reports.

RICHMOND, VA.—Leon E. Dessez, Office Inspector of Buildings, Washington, D. C., is said to have prepared plans for a 5-story brick hotel annex, 110 x 60 ft., to the Murphy Hotel, at Eighth and Broad Sts., to cost about $50,000. Col. John Murphy, Owner.

NEW MARTINSVILLE, W. VA.—The board of education of Magnolia district will receive bids until Oct. 10 for erecting a 16-room schoolhouse. L. J. Williams, Secy.

NEWNAN, GA.—Press reports state that a special election will be held Oct. 3 to vote on the question of issuing $40,000 in bonds for erecting a new court house. W. L. Stallings, Clk. Comrs. Court.

WAYCROSS, GA.—A special election has been called for Oct. 3 to vote on the question of issuing $30,000 in bonds for erecting a new courthouse, according to reports.

TENNILLE, GA.—Bids are asked until Sept. 28 for erecting a new brick church building. R. A. Kelly, Chn.

BIRMINGHAM, ALA.—It is stated that Hurlett & Stubblefield will erect a 4-story brick business building on Fourth Ave., near 18th St., to cost about $45,000.

SELMA, ALA.—The building committee of the Methodist Church is said to have let the contract for their new church building, to cost about $25,000, to S. W. Marshall & Co., Cleveland, Tenn.

LAKE PROVIDENCE, LA.—Bids are asked until Oct. 2 for erecting a new courthouse. Yancey Bell, Clk.

CARROLLTON, KY.—Bids are asked until Oct. 15 for constructing (except heating apparatus, electric wiring and conduits) the new U. S. post office building. James K. Taylor, Supv. Arch., Treasury Dept., Washington, D. C.

NEWPORT, KY.—Bids are asked until Oct. 8 for installing a complete electric wiring system in the new U. S. post office building. James K. Taylor, Supv. Arch.

CANTON, O.—Guy Tilden, Schaefer Block, is said to have prepared plans for a men's dormitory for the Stark County Infirmary, to cost about $65,000, and also for a women's dormitory, to cost about $35,000.

FINDLAY, O.—Press reports state that the council is considering the question of erecting a new city hall building to cost about $30,000.

XENIA, O.—Redmond & Gibson, Logansport, Ind., are said to have submitted the lowest bids for erecting the new courthouse at $142,739 for a stone building and $133,070 for a brick building.

DETROIT, MICH.—Malcomson & Higginbotham, Moffatt Bldg., and George D. Mason, 80 Griswold St., will prepare plans for the proposed Macabee Temple on Cass St., to cost about $150,000.——The Craft school at Ash and Vinewood Ave. was damaged by fire to the extent of about $30,000 recently.

MENOMINEE, MICH.—The following bids were received Sept. 17 by James K. Taylor, Supv. Arch., Treasury Dept., Washington,, D. C., for erecting the U. S. building: Hennessy & Cox, New York Life Bldg., St. Paul, Minn., $39,121, 12 months; The Campbell Bldg. Co., Chicago, Ill., $41,745, 12 months; Goluek & Spaulding, Menominee, $47,281, Oct. 1, 1901; Foster & Smith, 717 Tenth Ave., South Minneapolis, Minn., $37,573, 13 months; Bonnett, Michle & Co., Milwaukee, Wis., $42,000, 12 months; Paul Riesen, Milwaukee, Wis., $42,783, 12 months; Congress Construction Co., Masonic Temple, Chicago, Ill., $38,886, 12 months; Hennessy Bros. & Evans Co., 100 Washington St., Chicago, Ill., $35,745, 12 months; Lipsett & Gregg, Marquette, Mich., $46,600, nov. 1, 1901.

BLOOMINGTON, ILL.—The following bids are said to have been received Sept. 4 by W. C. Jones, Chn. Bldg. Com., for erecting the new courthouse, (1) being for work complete (except heating, blowers and fans and furnishings), (2) amount to be added if entire outside walls are taken down to grade and rebuilt with Halowell marble: Peoria Stone & Marble Co., Peoria, (1) $285,333, (2) $18,764 (accepted); G. Jobst & Son, Peoria, (1) $298,500, (2) $18,873; Jas. Barnes, Peoria, (1) $305,500, (2) $22,000; John Payne, Chicago, (1) $319,400, (2) $16,000; Wall Bros., Chicago, (1) $319,870, (2) $23,611; J. W. Evans' Sons, Bloomington, $337,424, (2) $21,380; D. D. Hayes & Co., Chicago, (1) $348,538, (2) $24,914; J. L. Reese, Bloomington, (1) $352,229, (2) $7,613.

CHICAGO, ILL.—Drawings are said to have been completed for the proposed 12-story church building at 88 to 96 Washington St., to cost about $600,000. Rev. Dr. Frank W. Gunsaulus is said to be interested.——Wm. B. Mundie, New York Life Bldg., will, it is said, prepare plans for a new high school to cost about $250,000.——Holabird & Roche, Monadnock Bldg., have prepared plans for a 12-story mercantile building, 120 x 144 ft., at State and Adams Sts., for Gen. Henry Strong, to cost about $600,000, according to reports.

APPLETON, WIS.—W. H. Zuehlke, Pres. Appleton Light Infantry Assn., writes us that contracts may not be let until next spring for erecting the proposed 2-story brick armory building, 80 x 120 ft.

PORTAGE, WIS.—Bids are asked until Oct. 2, for erecting a new city hall and armory building. Mayor J. E. Jones, Chn. Bldg. Com.

DAVENPORT, IA.—The board of trustees of the free library will receive plans until Nov. 10 for a library building to cost about $50,000. S. F. Smith, Pres.

DES MOINES, IA.—It is stated that the Port Huron Engine & Thresher Co. will erect a new 2-story warehouse, 132 x 132 ft., to cost about $40,000.

DUBUQUE, IA.—C. H. Berg, Mayor, writes us that no steps have yet been taken toward erecting the proposed library building and will not be for some time.

DULUTH, MINN.—It is stated that Andrew Carnegie will increase his donation for a new library building from $50,000 to $75,000.

MORRIS, MINN.—Bids are asked by Wm. H. Johnson, Supt. Indian School Service, for furnishing about 23,000 ft. of lumber, 800 pounds of iron, 250 joists, 4,000 pickets, etc., at the school.

ST. PAUL, MINN.—The United Norwegian Lutheran Seminary has filed plans for a new building in St. Anthony's Park, to cost about $75,000, according to reports.

LINCOLN, NEB.—Fisher & Lawre, Paxton Bldg., Omaha, are said to have completed plans for the new library building. The board will at once ask for bids for its construction.

NORFOLK, NEB.—Bids are asked until Oct. 5 for erecting a store and office building for Geo. H. Bishops, of New Haven, Conn. J. C. Stitt, Arch.

OMAHA, NEB.—H. Hamann is said to have been awarded the contract for erecting the new 6-story warehouse, 66 x 132 ft., at 12th and Howard Sts., for P. E. Iler, to cost about $40,000. C. Cleaves, Arch., Karbach Block.

ANADARKO, OKLA. TER.—Bids are asked by James F. Randlett, U. S. Indian Agent, for furnishing a quantity of paints, hardware, lumber, oil, etc., at the Rainy Mountain, Riverside and Fort Sill boarding schools, and at the agency.

LEGER, OKLA. TER.—Bids are asked until Oct. 16 for constructing a brick schoolhouse at the Leger School Colony, Okla. Ter. W. A. Jones, Comr. Indian Affairs, Department of the Interior, Washington, D. C.

DENVER, COLO.—The board of education has let the contract for the foundation of the George W. Clayton school to the Geddis & Seerle Stone Co., People's Bank Bldg., at $9,786, and for the superstructure to W. E. Towers at $62,236.

SEATTLE, WASH.—Cyrus F. Clapp is said to have taken out a permit to erect a 3-story brick block at 1113-1117 Third Ave., to cost about $43,000.

UMATILLA, ORE.—Bids are asked until Oct. 22 for erecting a new dormitory and a water and sewer system; also for remodeling the present boy's dormitory. W. A. Jones, Supt. Indian Affairs, Department of the Interior, Washington, D. C.

YUMA, ARIZ.—Bids are asked by John S. Spear, Supt. Fort Yuma Indian School, for furnishing about 11,500 ft. of lumber, assorted doors, windows, etc., at the school.

WATER-WORKS.

NORTHAMPTON, MASS.—The question of plans for a temporary and permanent water supply is being considered by the water board. Experiments with driven wells at Roberts Meadows will be made and an independent storage reservoir built. Jas. L. Clark, Franklin St., Northamtpon, has been giving expert advice regarding the wells. Address Chairman Kinney and E. E. Wood, of the board, care Superintendent Wright.

PLAINVILLE, CONN.—The water committee has completed its report on the estimates, etc., of the value of the works, and will submit the report Oct. 1.

FULTON, N. Y.—The Great Bear Water-Works Co. has been incorporated by Henry E. Nichols, Arthur G. Gilbert and Giles S. Piper to supply and ship mineral waters.

NEW YORK, N. Y.—Bids are asked until Oct. 4 for furnishing the materials and for erecting gravity mechanical filter plants to cost $125,000, for the Baiseley's and the Springfield streams, Brooklyn, and for furnishing water pipe, castings, stop-cocks, hydrants, etc. Wm. Dalton, Comr. Water Supply, 21 Park Row.——The board of managers of the Long Island State Hospital, Kings Park, Queens Borough, proposes to repair the reservoir and the pumping plant at a cost of about $9,000.

LYON FALLS, N. Y.—S. S. Snell, Louisville, N. Y., has been awarded the contract by the Gould Paper Co. to build water-works for the new sulphite mills. There will be two miles of 8 and 10-in. pipe, part of it submerged.

RENSSELAER, N. Y.—It is said that work on the new filter plant, quoted in our issue of Aug. 16, for the East Albany Water-Works Co. is progressing. Next year the company will build a reservoir, an additional engine and two boilers, to cost about $60,000. John Winn, Supt.

TANNERSVILLE, N. Y.—Reports state that J. A. Longyear, Civil Engr., Kingston, N. Y., is examining sources of a water supply for this place.

WATERVLIET, N. Y.—The Bridgeport (Conn.) syndicate which recently purchased the works has offered to sell the works to the city for $210,000. The water commissioners are opposed to the purchase, as they say the plant is not worth more than $100,000, and that it would require $100,000 to make it in good condition.

CALDWELL, N. J.—The committee has submitted a report for a water supply from Essex Fells, to cost $18,000. Water from other sources have been suggested; estimated cost, $33,000.

DOVER, N. J.—The council is said to have appointed new water commissioners to succeed L. C. Bierwirth, C. R. Mulligan and J. W. Baker, who recently resigned because of the unfavorable reception accorded to their recommendation to acquire a gravity supply from Green Pond at an estimated cost of $230,000. The new commissioners are M. V. B. Searing, Geo. Singleton and David Young. It is expected that the new board will at once recall the report and recommendation of the old board. F. H. Beach, Mayor.

LOCK HAVEN, PA.—The council has ordered the construction of a new intake dam and extend the 18-in. pipe about 1,060 ft. above the present intake dam. A standpipe will also be built near the Castanea reservoir. Address Councilmen Pittman and Harvey.

SHREWSBURY, PA.—It is stated that the Shrewsbury Water Co. proposes to build a reservoir of 40,000 gallons capacity.

LAUREL, MD.—Rosser & Castoe, Bellaire, O., have been awarded a conditional contract for building works to cost about $35,000. The artesian well contract was recently let to W. C. Miller, of Anacostia, D. C., who has begun work. The material which will be used in the works comprises 375 tons of cast iron pipe, 14,300 lbs. special castings, 30 hydrants, 57 valves, 25,000 ft. of 4-in., 6-in. and 8-in. water pipe, besides the wells and machinery. Hill, Quick & Allen, Engrs., Baltimore, Md.; Edward Phelps, Mayor.

WESTMINSTER, MD.—Bids are asked until noon Oct. 1 for furnishing the materials and for constructing the proposed works for the Citizens' Water & Power Co., recently incorporated with a capital of $40,000. There will be wanted about 225 tons of 8-in. and 10-in. cast iron pipe, 2,000 lbs. of special iron castings, 4,300 ft. of 8-in. No. 16 and 18 spiral riveted wrought iron pipe, 4,700 ft. of 10-in. No. 16 spiral riveted wrought iron pipe, and 750 lbs. of flanged special castings. Joseph B. Boyle, Secy., Westminster; Hill, Quick & Allen, Engrs., 520 Equitable Bldg., Baltimore, Md.

WASHINGTON, D. C.—Bids are asked by the district commissioners until Oct. 3 for furnishing 60,000 ft. of 6-in. cast iron water pipe, as stated in our advertising columns.

SALEM, VA.—A well to have a capacity of 60,000 gallons a day has been ordered, according to reports. Address Councilmen Langhome and McClung.

WILLIAMSBURG, VA.—Reports state that the council will soon let contracts for one or two new artesian wells.

GREENSBORO, N. C.—Saml. M. Gray, of Providence, R. I., has submitted a report on the value and condition of the works of the Greensboro Water Co. The question of the city buying the works is being considered.

NORTH AUGUSTA, GA.—Bids were received Sept. 25 for constructing works for the North Augusta Land Co., 223 Dyer Bldg., Augusta, Ga.; estimated cost, $15,000. W. M. Jackson, Gen. Mgr.; Nesbit Wingfield, Engr., Augusta.

IRONDALE, ALA.—The Dimmick Pipe Co., Birmingham, Ala., has been awarded the contract for furnishing the pipe for the proposed works of the Irondale Water, Light & Gas Co. The company is said to be figuring on extending the mains to East Lake, Avondate and East Birmingham. Light and power plants will also soon be built. Robt. R. Zell, Mech. Engr., Mgr., Baltimore, Md.; F. W. Turpin, Secy., Birmingham.

CLARKSDALE, MISS.—P. H. Porter, Clinton, Ky., has been awarded the contract at $29,000 for constructing works and a sewerage system. The other bidders were F. S. Hoyt & Co., Fort Dodge, Ia., $32,564; M. T. Lewman & Co., Louisville, Ky., $31,500. Walter Clark, Mayor.

JENNINGS, LA.—The question of building works to cost $25,000 is reported to have been voted down Sept. 10. Geo. W. Morse, Cy. Clk.

LAKE PROVIDENCE, LA.—Bids are asked until Oct. 2 for the materials and for sinking a 6-in. artesian well 400 to 600 ft. deep for the new works, to cost $17,500. G. M. Franklin, Mayor.

AKRON, O.—Geo. W. Carmichael has been awarded the contract at $15,680 for an addition to the pumping station of the Akron Water-Works Co.

COLUMBUS, O.—Director Kaufman has directed Superintendent Cockell, of the water-works; Superintendent Lauer, of the fire department, and City Engineer Griggs to meet Dr. Carpenter, Supt. State Hospital, to make arrangements for supplying the building with water and fire protection and furnish plans and estimate of the cost of the same.

CUYAHOGA FALLS, O.—Bids are asked until noon Sept. 29 for 830 ft. of 8-in. water pipe, two 8-in. valves, two fire hydrants, etc. L. E. Chapin, Engr., Canton, O.

MONROEVILLE, O.—Reports state that bids will soon be wanted for works and a light plant to consist of a brick power house 24 × 100 ft., elevated steel tower, a 90-HP. engine, two 16-ft. boilers, 20 hydrants, two miles of water pipe, etc. G. L. McKibben, Engr., Van Wert, O.

FORT RECOVERY, O.—The following contracts were let Sept. 20 for a pumping engine, etc. Fred. Tegler, Clk.: W. G. Nagel, Toledo, O., two 80-HP. boilers and one 85-HP. engine, a feed pump, one 15-HP. gas engine, $4,500; Stillwell, Bierce & Smith-Vaile Co., Dayton, O., one power pump and one steam pump, $2,000.

LEIPSIC, O.—Bids are asked Oct. 23 for furnishing the materials and for constructing works. G. L. McKibben, Consult. Engr., Van Wert, O.; Aug. Stechschulte, Clk.

WAYNESVILLE, O.—The proposed works for this place, bids for which are asked until Oct. 1, as stated in our last issue, will consist of a 100 H-P. engine, two 750,000-gallon pumps, 20 valves, pipe, an electric plant, etc. G. L. McKibben, Engr., Van Wert.

COLUMBUS, IND.—Bids are asked until Oct. 4 for constructing a feeder crib, as stated in our advertising columns. The bids received Sept. 20 were returned unopened. Jas. Cochrane, Cy. Clk.

INDIANAPOLIS, IND.—The water board has submitted the following contract to the Indianapolis Water Co. The company is to furnish free water for park fountains, fill the cisterns and supply the lake in Riverside Park from the canal to the extent of 5,000,000 gallons a month. The company also is to furnish 30,000 gallons a month for latrines when under streets, for flushing sewers and improved streets and for fire houses, including engines. The further condition of furnishing 100,000 gallons a day for free baths and for Tomlinson Hall and market house and the south side market and city hospital, 1,000,000 gallons a month is imposed. The company will further be expected to make cistern connections without charge, the city reserving the right to order 40,000 ft. of new mains annually. In excess of the quantities indicated in the free list, the city will pay at the rate of 5 cts. per 1,000 gallons. In the event of the company accepting these conditions the board will agree to enter into a contract for five years and pay for each of the 1,727 fire hydrants $42.50 a year. The board will make the contract a current contract and the city will reserve all the rights contained in the old agreement.

DETROIT, MICH.—The Edward P. Allis Co., Milwaukee, Wis., has been awarded the contract for furnishing two 15,000,000-gallon pumping engines at $276,000. The bids were published in our last issue.

GRAND RAPIDS, MICH.—David Fitzgerald, care of Edmund P. Schmidt & Co., 52 Broadway, New York, and J. M. Jackson, submitted the only bids Sept. 21 for furnishing this city with a water supply. Mr. Fitzgerald offers to furnish a fine lake supply for $32 a 1,000,000 gallons for 20,000,000 gallons; for 20 to 22 million gallons, $30; 22 to 24 million gallons, $29; 24 to 26 million, $28; 26 to 28 million, $27; 28 to 30 million, $25; 30 to 35 million, $22.50; above 35 million gallons, $20 per 1,000,000 gallons. The pumping plant, etc., are to be completed in two years. Mr. Jackson's bid is as follows: First 20 millions gallons, $33 a 1,000,000 gallons; 20 to 23 million gallons, $31; to 26 million, $29; to 29 million, $27; to 30 million, $26; above 30 million gallons, $26 a 1,000,000 gallons. The works will cost about $4,000,000. Thos. F. Carroll, representing Westinghouse, Church, Kerr & Co., New York, also made a proposition.

MARQUETTE, MICH.—Bids are asked until Oct. 8 for laying an intake pipe, building a submerged crib, etc. The bids received Sept. 17 from Powell & Mitchell and Mitchell & Perrin, both of Marquette, were rejected. J. P. Kern, Secy. Bd. Fire and Water Comrs.

BLOOMINGTON, ILL.—Bids are asked until Sept. 28 for a 10-in. water main in three streets, an 8-ft. brick sewer, a 12-in. pipe sewer, etc. L. B. Thomas, Pres. Bd. Local Improvements.

CARBONDALE, ILL.—Mayor Dillinger has passed the ordinance authorizing the construction of works to consist of wells, a pumping plant of 750,000 gallons, 25,000 ft. of pipe, 100 ft. standpipe, etc. C. A. Iglehart, 159 La Salle St., Chicago, will build and operate the works, which will cost $50,000.

GALESBURG, ILL.—Work was begun Sept. 17 on the reservoir that the Chicago, Burlington & Quincy R. R. Co. is building at Lake George. The company bought 235 acres for $45,000 for the site and expects to have the reservoir ready for the fall rains. The dam will be 500 ft. long and 43 ft. in height. It will contain about 300,000,000 gallons of water. A large pump house will be erected at the south end of the reservoir.

PLYMOUTH, WIS.—W. H. Wheeler, Chicago, Ill., and Beloit, Wis., is said to have been awarded the contract at $69,925 for constructing works and an electric plant. Gray Bros., Manitowoc, Wis., submitted the only other bid, at $71,450.

RACINE, WIS.—It is stated that Geo. H. Benzenberg, of Milwaukee, and City Engineer Erickson, of Chicago, have reported that the works can only stand a pressure of 100 lbs. The Racine Water Co. has applied for a 25-year extension to its franchise. The members of the council believe that three new pumping engines should be installed.

TWO RIVERS, WIS.—J. C. Miller & Co., 45 Michigan St., Chicago, have been awarded the contract for constructing and operating works at about $60,000. J. C. Gray, of Manitowoc, Wis., submitted a bid at $63,000, and P. Schroeder, at $61,000.

FORT SNELLING, MINN.—The Gillette-Herzog Mfg. Co., Minneapolis, has been awarded the contract at $4,155 for furnishing and erecting a steel water tower on the Indian reservoir at Fort Snelling.

STEWART, MINN.—This place held an election Sept. 18 to vote on the question of issuing $7,000 in bonds for works.

CHERRYVALE, KAN.—Burns & McDonnell, Postal Telegraph Bldg., Kansas City, Mo., have been engaged to prepare plans and specifications for works.

POTTAWATOMIE, KAN.—Bids are asked until Oct. 17 for furnishing the materials and for constructing works at the Kickapoo Indian school. W. A. Jones, Comr. Indian Affairs, Dept. Interior, Washington, D. C.

CHEYENNE, WYO.—The council is considering the question of laying new water mains, the work to be done under contract. W. D. Pease, Cy. Engr.; E. A. Abry, Cy. Clk.; W. R. Schnitzer, Mayor.

DALLAS, TEX.—The city proposes to build a reservoir to cost about $100,000. Hugh Raines, Engr.; I. A. Moore, Cy. Secy.

CARBONDALE, COLO.—It is stated that this place proposes to build works.

ROSEBURG, ORE.—The Roseburg Water & Light Co., Winchester, Ore., has applied for a franchise for works and electric plant to cost $75,000. G. I. Brown, Mgr.; G. M. Brown, Attorney; Councilmen, G. W. Kruse, H. C. Slocum and Dan Fisher, Comrs.

UMATILLA, ORE.—Bids are asked until Oct. 22 for water and sewer systems for the Indian school at the Umatilla agency. W. A. Jones, Indian Comr., Washington, D. C.; Chas. Wilkins, Indian Agent, Pendelton, Ore.

LOS ANGELES, CAL.—The following bids were received Sept. 17 for a new pipe line from the water ditch above Echo Park Lake to Westlake Park: C. Ward, furnish and lay all pipe and fittings made of riveted steel, $7,989; if pipe is coated with rut-proof coating, $600 additional; P. A. Howard, furnish and lay riveted steep pipe, $8,400; if No. 14 steel pipe, $6,865; if No. 16 steel pipe, $5,900; Thomas J. Haverty, lay and construct pipe line, iron water pipe, $14,147; steel riveted pipe, $10,647; California Redwood Pipe Co., lay and construct pipe line, $6,193; A. P. Pusich, construct and lay pipe line, pipe to be 8 and 10-in. cast iron pipe, $13,647; and 10-in. steel, $10,247.

SALT LAKE CITY, UTAH.—The bids recently received for the purchase of $250,000 of water bonds have been rejected. Bids for furnishing 5,000 ft. of 6-in. water pipe were received Sept. 25. J. E. Dooly, Chn. Com.

NEWMARKET, ONT.—Reports state that this place proposes to issue $10,000 of 4% bonds for works and an electric plant.

COLUMBIA, B. C.—Bids are asked until Sept. 29 for the purchase of $35,000 of bonds for the proposed works, electric plant, etc., according to reports. J. A. McCollum, Cy. Clk.

NANAIMO, B. C.—This place is reported to have voted upon the question of building works.

SEWERAGE.

PORTLAND, ME.—Bids are asked until Sept. 27 for rebuilding the sewer in Exchange St. George N. Fernald, Comr. Pub. Wks.

ALBANY, N. Y.—Bids are asked by the board of contract and supply until Oct. 1 for constructing a pipe sewer in Delaware Terrace and in Lark St. Isidore Wachsman, Clk. Bd.

BINGHAMTON, N. Y.—E. A. Bond, State Engr., Albany, is said to have decided that it will be necessary to construct a trunk sewer at the state hospital.

NEW YORK, N. Y.—Bids are asked by the department of sewers, 21 Park Row, until Oct. 3 for constructing a sewer in East 144th St., and in Walton Ave., Borough of The Bronx, and also for dredging about 40,000 cu. yds. of material in Gowanus Canal and basins at Fourth, Sixth and Seventh Sts., Brooklyn. James Kane, Comr.——The following lowest bids were received Sept. 19 by the department of sewers, 21 Park Row, for constructing sewers in Eleventh Ave.: From 178th to 179th St., Mutual Contracting Co., $2,285; from 179th to 180th St., J. J. Haiduven, 81 East 125th St., $2,755; from 180th to 181st St., J. J. Haiduven, $2,820; from 175th to 178th St., Wm. G. Leeson, 641 West 143d St., $8,820. For a sewer in Broadway, west side, between 119th St. and Summit South, Edwin R. De Camp was lowest at $4,331. James Jennings, 631 Belmont Ave., Brooklyn, was lowest at $1,900 for constructing a sewer in Belmont Ave., Brooklyn, between Sackman and Powell Sts., and from Powell St. to Vesta Ave.

LOCK HAVEN, PA.—The question of building a 24-in. sewer along the canal, to cost about $20,000, is being considered, according to reports.

GAINESVILLE, FLA.—Press reports state that the council is considering the question of constructing a sewerage system.

NEW DECATUR, ALA.—The council has authorized the mayor to sell $45,000 in bonds for street and sewer improvements. E. C. Sayne, Mayor.

CLARKSDALE, MISS.—Walter Clark, Mayor, writes us that the following bids were received Sept. 18 for constructing water-works and a sewerage system: F. S. Hoyt & Co., Ft. Dodge, Ia., $32,564; M. T. Lewman & Co., Louisville, Ky., $31,500. Both bids were rejected and the contract was afterwards awarded to P. H. Porter, Clinton, Ky., at $29,000.

SALEM, O.—Bids are asked until Oct. 8 for constructing a sewer in Columbia St. Geo. Holmes, Cy. Clk.—On the same date the City Clerk will sell $1,500 in bonds for constructing the Sixth St. sewer.

TOLEDO, O.—Reports state that C. W. McKinney has been awarded the contract for constructing the sewer in the alley between Front and Genessee Sts., at $4,892, and the sewer in Whittmore St., at $7,028.——The city engineer will prepare plans for a sewer in the territory bounded by White, Raymond and Nevada Sts. and Nevarre Ave.——A resolution has been approved for constructing a main sewer in District No. 34.

ELKHART, IND.—Bids are asked until Oct. 8 for constructing a sewer in East Franklin St. and Virginia Ave. L. E. Hitchcock, Cy. Engr.

ARCOLA, ILL.—Bids are asked until Oct. 4 for constructing about 1,800 ft. of 20-in., 2,100 ft. of 18-in., 2,100 ft. of 16-in., 2,075 ft. of 15-in., and 1,085 ft. of 14-in. pipe sewers. Samuel H. Wilkins, Cy. Clk.

SANDWICH, ILL.—City Engineer Newton is preparing plans for a sewerage system, according to reports.

ANTIGO, WIS.—Bids are asked until Oct. 10 for constructing about 4,032 ft. of 20-in., 3,360 ft. of 18-in., 2,748 ft. of 15-in., 2,693 ft. of 13-in., 650 ft. of 12-in., 1,008 ft. of 10-in., 1,019 ft. of 9-in., 4,350 ft. of 8-in. and 1,402 ft. of 6-in. pipe sewers, complete, as stated in our advertising columns. I. D. Steffen, Mayor; B. F. Door, Consult. Engr.; N. M. Ross, Cy. Clk.

SIOUX CITY, IA.—Press reports state that the sewer committee will soon ask for bids for constructing a sewer in Fourth St.

ST. PAUL, MINN.—The board of public works is said to have received the following bids Sept. 17 for constructing sewers in Rice St.: Patrick Doherty, 608 West Seventh St., $2,949; John Lind, 32 East Second St., $3,250; Christ Johnson, $2,891.

ST. PAUL, MINN.—Bids are asked until Oct. 1 for constructing about 3,561 ft. of 12-in. temporary outlet sewers in Aldine St. and Dewey and Portland Aves.; also for constructing a sewer in Rice St. Wm. L. Anus, Pres.

NEBRASKA CITY, NEB.—Bids are asked until Oct. 15 for constructing about 2,200 ft. of 15-in. pipe sewer, average cut 10 ft., to cost about $1,600. A. M. Munn, Cy. Engr.

WATERTOWN, S. DAK.—We are informed that the following bids were received Sept. 17 by the city engineer for constructing pipe sewers in several streets. Work to be completed by Dec. 15. (1) being the price if payments are made in cash, and (2) the price if made part in cash and part in special assessment securities: James Kennedy, Fargo, N. D., (1) $13,961, (2) $14,957; Ford & Delahrent, Cedar Rapids, Ia., (1) $14,121, (2) $15,138; O'Neil & Son, Faribault, Minn., (1) $13,900, (2) $15,088; Webster & Blake, Dubuque, Ia., (1) $13,990, (2) 14,980; M. V. Kennedy, Des Moines, Ia., (1) $14,340, (2) $15,374; Hess & Rau, Watertown, S. D., (1) $13,649, (2) 14,077 (accepted); Christ Johnson, St. Paul, Minn., (1) $15,785, (2) $16,890; J. C. Staede, Mankato, Minn., (1) $14,610, (2) $15,458.

ST. JOSEPH, MO.—Bids are asked until Oct. 1 for constructing a main sewer on Ninth St. J. R. Rackliffe, Cy. Engr.

SEATTLE, WASH.—Reports state that the board of public works has let the contract for constructing the Stewart St. sewer to Stirratt & Goetz, Epler Block, at $2,015.

BAKER CITY, ORE.—It is stated that a system will be constructed in Resort, Front, First, Second, Third and Fourth Sts., to cost about $30,000.

UMATILLA, ORE.—Bids are asked until Oct. 22 for constructing a sewer and water system, etc., at the Umatilla Agency. W. A. Jones, Comr. Indian Affairs, Department of the Interior, Washington, D. C.

CORVALLIS, ORE.—Bids are asked by the sewer commission until Oct. 8 for constructing a sewer from Van Buren St. through blocks 22 and 23.

REDBLUFF, CAL.—The council has decided to issue $40,000 in bonds for constructing a sewerage system. S. C. Cornell, Cy. Clk.

GARBAGE DISPOSAL—STREET CLEANING

LANSINGBURG, N. Y.—Bids for removing ashes, garbage, etc., for one year were received Sept. 25. G. E. Skillman, Pres. Bd. Trustees.

ORANGE, N. J.—The council, it is stated, will soon decide the question of building a crematory. Bloomfield and Montclair, which at one time proposed to join with Orange, now propose to build their own plants.

MANSFIELD, O.—The following bids were received Sept. 10 for a combined garbage and sewage disposal plant: Power and crematory house, Reaugh Construction Co., Cleveland, $15,117; Simon Small & Son, $12,121; Thomas Bloor, $11,649; Joseph Hursh, $10,082; Schnitzer & Son, $10,061. The successful bidders on portions of the work on the power and crematory house are as follows: Stone work, Lomax, Portman & Schnug, $475; brick work, Schnitzer & Son, $3,640; woodwork and hardware, Schnitzer & Son, $1,650; painting and glazing, Schnitzer & Son, $225; plumbing, Schnitzer & Son, $125; roofing, Reaugh Construction Co., $825; iron work, Thomas Bloor, $1,524; concrete, Simon Small, $472; reservoirs and foundations, Charles Heuss, $19,418; Lomax & Portman, $18,147; C. T. McCracken & Co., Cleveland, $18,016; Reaugh Construction Co., $15,843 (accepted); intercepting sewer, Herring & Gribben, $5,499; C. T. McCracken, Cleveland, $5,620; W. J. Townsend, Cleveland, $5,387; Reaugh Con. Co., $4,143 (accepted); siphon and force main, Herring & Co., $2,429; C. T. McCracken, $1,238; W. J. Townsend, $1,072; Reaugh Con. Co., $975 (accepted); sewer pipe, awarded to Branyan Bros., of this city, with 84½% off the list price. The next lowest bid was the Kelly Island Lime & Transport Co., with 82%. New bids will be asked for the pumping machinery, the only bid received being too high. New bids for the crematory to cost $6,000 will also be wanted. G. A. Clugston, Secy.

SOUTH BEND, IND.—The question of building a crematory is being considered.

DALLAS, TEX.—It is proposed to build a crematory of 100 tons capacity. I. A. Moore, Cy. Secy.

SPOKANE, WASH.—The question of building a garbage crematory is being considered.

LOS ANGELES, CAL.—Bids are asked until 11 a. m., Oct. 1, for sprinkling the streets for 2⅝ years from Jan. 1. C. H. Hance, Cy. Clk.

OAKLAND, CAL.—The board of health has asked for an appropriation of $20,000 for a crematory, according to reports. R. W. Snow, Mayor.

STREETS AND ROADS.

BOSTON, MASS.—Bids are asked by the Massachusetts Highway Commision, 4 Mt. Vernon St., until Sept. 27 for constructing about 2,900 ft. of state highway in North Adams, 2,500 ft. in Abington, 2,300 ft. in Shrewsbury, and 3,300 ft. in Methuen.

ALBANY, N. Y.—Bids are asked by the board of contract and supply until Oct. 1 for laying a plank walk on Cortland Place; for paving Swan St. with brick; for paving Broad St. and Second Ave. with granite blocks, and for resurfacing Madison Ave. with asphalt. Isidore Wachsman, Clk. Bd.

NEW ROCHELLE, N. Y.—We are informed that plans and specifications for the North St. boulevard are now ready and bids will probably be received Oct. 2. C. S. Haskell, Cy. Engr.

NEW YORK, N. Y.—Bids are asked by the department of highways, 21 Park Row, until Oct. 4 for paving with asphalt Monroe, Decatur and Mason Sts., St. Mark's Place and Lafayette Ave., Brooklyn, and for regulating, grading, etc., Ritter Place and East 197th St., Bronx Borough.

JERSEY CITY, N. J.—The council is said to be considering the question of improving Harrison Ave. George T. Bouton, Clk.

MAY'S LANDING, N. J.—The board of freeholders is said to have decided to construct a new road from this city to Pleasantville, about 12 miles.

TRENTON, N. J.—Bids are asked until Sept. 27 for the purchase of $100,000 in bonds for county road improvements. Thos. A. Thropp, County Collector.

CONNELLSVILLE, PA.—Reports state that the council has decided to pave West Main and Apple Sts.

ST. AUGUSTINE, FLA.—The council is said to have made an appropriation for paving San Marco Ave., Cathedral Place, Hypolite, Orange, Cordova, King, Sanford and Cedar Sts.

NEW ORLEANS, LA.—We are informed that the drainage commission of New Orleans, at present building a drainage canal on Third St. from St. Charles to Claiborne St., has decided at a recent meeting to lay about 17,000 sq. yds. of asphalt pavement on that street without any expense to the property holders. Bids have not as yet been asked for this work. It is not as yet settled if the contractor for the canal work is entitled to do this as part of his contract or not. R. M. Walmsley, Pres.; B. M. Harrod, Ch. Engr.

WASHINGTON, D. C.—Bids are asked by the district commissioners until Oct. 13 for laying cement sidewalks in certain streets, as stated in our advertising columns.

CINCINNATI, O.—Bids are asked until Oct. 19 for paving Mead Ave. with brick. Robt. Allison, Pres. Bd. Pub. Service; Geo. F. Holmes, Clk.——The city engineer has submitted the following estimates for paving President Place: With granite, $10,552; asphalt, $7,515; brick, $6,222.

COLLINWOOD, O.—This town will sell $6,000 in bonds for improving Collimer St., according to reports. L. A. Wilson, Village Clk.

DAYTON, O.—Bids are asked by the board of city affairs until Oct. 25 for paving and improving nine alleys and also Woodland and Baltimore Sts. C. A. Herbig, Pres.; Robt. H. Ferguson, Cy. Comptroller.

DAYTON, O.—Bids are asked until Oct. 22 for laying about 5,650 sq yds. of brick pavement to cost about $10,300. F. M. Turner, Cy. Engr.

MIDDLETOWN, O.—Bids are asked until Oct. 16 for constructing about 4,763 sq. yds. of street asphalt and 1,011 sq. yds. of brick pavement on Main St. Frank Stevens, Cy. Clk.——J. F. Wingert is said to have submitted the lowest bid at $2,396 for paving Middletown St.

NILES, O.—Bids are asked until Oct. 15 for grading and paving Robbins Ave. with asphalt. John I. McDermott, Cy. Clk.

SPRINGFIELD, O.—The council is said to have passed an ordinance providing for the paving of Lagondia Ave., to cost about $70,000.

TOLEDO, O.—C. W. Ryan is said to have been awarded the following contracts: For paving Ewing St., at $5,203; Page St., at $7,583; another portion of Page St., at $1,524, and Locust St., at $7,425.

DANVILLE, IND.—Bids are asked by the county commissioners until Oct. 5 for constructing three gravel roads. Charles M. Caviness, County Audr.

DECATUR, IND.—Bids are asked until Oct. 25 for constructing the Monroe Township Central macadam road, about 6.19 miles, to cost $23,829, for constructing the Pleasant Valley and Oak Grove macadam road, about 6.02 miles, to cost $20,862, and for constructing the C. E. Bollinger macadam road, about 6.05 miles, to cost $19,480. W. E. Fulk, County Engr.

LUDINGTON, MICH.—Thomas Thompson, Jr., Cy. Clk., writes us that the following bids were received Sept. 17 for paving Ludington Ave., as advertised in Engineering News: John C. Davies, Saginaw, Mich., bid $30,336 for brick, $22,222 for cedar block, $18,760 for macadam and $25,692 for tarred macadam, Hamilton, Ont., specifications; August Tiedemann, Ludington, bid $30,125 for brick, $19,945 for cedar block, $15,742 for macadam, $19,429 for macadam with grout tarred dressing, and $16,479 for cedar block on board foundations. The council rejected all bids, and nothing further will probably be done in the matter until next spring.

DANSVILLE, ILL.—At a special election the people recently voted to issue $2,500 in bonds for improving the Lackawanna Hill Road.

MOLINE, ILL.—We are informed that the council let the contract Sept. 21 for about 11,738 sq. ft. of brick pavement, with necessary curbing, etc., on Tenth St. to the Tri-City Construction Co., Davenport, Ia., at $21,489. Henry G. Paddock, Cy. Engr.

ST. PAUL, MINN.—Bids are asked by the board of public works until Oct. 1 for paving Rosabel St. with Kettle River sandstone, about 2,827 sq. yds. Wm. L. Ames, Pres.; C. H. Bronson, Secy.; and by Matt Jensen, Cy. Clk., for regrading Page St., to cost about $3,000.——D. W. Moore is said to have submitted the lowest bid at $4,098 for boulevarding and curbing Kettle Ave.

OMAHA, NEB.—Bids are asked until Sept. 28 for constructing sidewalks, as ordered by the mayor and city council. Andrew Rosenater, Chr. Bd. Pub. Wks.

BUTTE, MONT.—The council is said to have recommended that Broadway alley, Quartz, Park and Arizona Sts. be paved next year.

KANSAS CITY, MO.—Bids are asked until Sept. 29 for macadamizing about 2⅝ miles of the Dodson and Grand View road. Thos. F. Callahan, County Surv.

MARYVILLE, MO.—The council has ordered Buchanan, Second and Fourth Sts. to be paved, according to reports.

MASON, MO.—Bids are asked until Oct. 1 for macadamizing the alley in block 88. Charles L. Parra, Cy. Clk.

SEATTLE, WASH.—The contract for planking Madison St. is said to have been let to Hohman & Bechell at $4,070.

SAN FRANCISCO, CAL.—We are informed that the board of public works has had plans and specifications prepared for repaving with basalt Main St., to cost about $8,600, and Fourth St., to cost about $8,845. E. J. Morse, Asst. Cy. Engr.

TORONTO, ONT.—Bids are asked until Oct. 3 for paving Tecumseh and Margueretta Sts. with cedar block, Hudson Ave. with macadam, and Fangulear's lane with cobblestone, and for laying concrete sidewalks on 12 streets. Mayor E. A. MacDonald, Chn. Bd. Control.

MANUFACTURING PLANTS.

BANGOR, ME.—Local papers state that J. Fred Webster, Bangor, has purchased the Hayford Mill and water privileges and that a large pulp mill will be built on the site.

ROCHESTER, N. Y.—It is reported that a large salt manufactory will be established in Perry by New York capitalists.

SHARON, PA.—It is stated that Wm. McIntyre & Sons, of Sharon, have been awarded a contract for the erection of the Union Brewing Co.'s plant in this city, to cost about $200,000.

LEAKSVILLE, N. C.—Bids are wanted for from 2,000 to 8,000 spindles, with all necessary preparatory machinery. Address "F," Leaksville.

BEDFORD CITY, VA.—C. E. Harris, Bedford Ice Co., Bedford City, writes us that bids for a seven-ton ice plant are now being received.

CEDARTOWN, GA.—We are informed that bids are wanted at once by the Josephine Mills, Cedartown, for about $85,000 worth of machinery for the company's mill. The building, estimated to cost $25,000, will be contracted for by the day. C. R. Pittman, Engr. in Charge.

NEW IBERIA, LA.—A. B. Murray, Treas., New Iberia Cotton Mill Co., writes us that the contracts for the mill buildings and equipment for this company's plant will be contracted for later in the season.

HUMBOLDT, TENN.—We are informed that all contracts and orders for the Humboldt Cotton Mills have been placed with the exception of as follows: 200 H-P. engine, 300 H-P. boiler, 300-light dynamo and engine, shafting and belting. The plant will have 4,000 spindles and 100 looms. H. C. Burnett, Pres.; T. H. Lever, Supt.; Howard & Bullough, Archs., Pawtucket, R. I.

KNOXVILLE, TENN.—J. T. Brownlee, Secy. and Gen. Mgr. of the plant to be erected here for the manufacture of men's rib knit underwear, informs us the following is yet to be contracted for: Brick building, two stories, 60 x 150 ft., with electric lights, hot air heating and sprinkler fire protection.—It is stated that H. W. Shaw and J. C. Tally are in this city to select a site for a chair factory, in which about $25,000 will be invested.

LANCASTER, KY.—It is stated that the Moritz-Barwich Construction Co., Stanford, will prepare plans for a six-ton ice factory and cold storage plant.

CINCINNATI, O.—Martin Fisher, Arch., 2156 Central Ave., writes us that the boiler, engine, shafting, belting, dynamo, lathes, planers, etc., will be contracted for by R. Hesterberg, 214 West Second St., for his plant. Brass goods will be manufactured. The buildings are contracted for.

CHICAGO, ILL.—Chas. H. McApee, Arch., 36 La Salle St., informs us that bids will be received in about a week for the factory building for R. O. Dwyer. The building will be 79 x 80 ft., seven stories and basement, of mill construction, with brick walls and gravel roof; estimated cost, $45,000. The equipment will be contracted for about a month later. Three steam elevators will be installed.

JOLIET, ILL.—The Lakeside oatmeal mills were destroyed by fire last week. Loss reported at about $60,000.

MISCELLANEOUS CONTRACTS.

TELEPHONE.—Kansas City, Mo.—The council has granted a franchise to the Missouri Interstate Telephone Co.

SUBWAY.—Cleveland, O.—Press reports state that the Cleveland & Pittsburg Ry. Co. will construct a subway to abolish seven grade crossings.

DOCK.—Rockaway Beach (L. I.), N. Y.—It is stated that the executors of the Holland estate will erect a dock, 700 ft. long and 12 ft. wide, here.

LOCK GATES.—Ottawa, Ont.—Bids are asked until Oct. 18 for furnishing one pair of lock gates at the Sault Ste. Marie Canal. L. K. Jones, Secy. Dept. Rys. and Canals.

PARK WORK.—Los Angeles, Cal.—Bids are asked until Oct. 1 for changing the dam at Echo Park Lake and also for constructing a new outlet at the lake. C. H. Hance, Cy. Clk.

LEVEE WORK.—Greenville, Miss.—Bids are asked until Sept. 27 for constructing about 190,000 cu. yds. of levees in Disha county, Ark. E. M. Hicks, Pres. Bd. Comrs.

LEVEE WORK.—Memphis, Tenn.—Bids are asked until Sept. 29 for certain levee work in the Lower St. Francis Levee District. Capt. E. E. Winslow, U. S. Engr., 36 Equitable Bldg.

DRY DOCK.—San Francisco, Cal.—The Risdon Iron Works is said to have let the contract for excavating for its new floating dry dock to the San Francisco Construction Co., 24 Eighth St.

TIMBER WHARF.—Bremerton, Wash.—Bids are asked until Oct. 21 for constructing a timber wharf, 568 x 48 ft., at the naval station. M. T. Endicott, Ch. Bureau Yards and Docks, Washington, D. C.

REMOVING WRECK.—Detroit, Mich.—Bids are asked until Oct. 2 for removing the wreck of the schooner "Fontana" in the St. Clair River, Mich. Lieut. Col. G. J. Lydecker, U. S. Engr., Jones Bldg.

RIVER IMPROVEMENT.—Chicago, Ill.—The Chicago drainage trustees have decided to recommend the issuance of $2,500,000 in bonds for the improvement of the Chicago River as planned by the drainage board.

BREAKWATER AND PIERS.—Lorain, O.—Bids are asked until Oct. 8 for constructing a breakwater and piers at Black River Harbor, O., as stated in our advertising columns. Col. Jared A. Smith, U. S. Engr.

PARK WORK.—New York, N. Y.—Bids are asked by the department of parks, until Oct. 7 for constructing a green house at the Zoological Gardens in Bronx Park, and for furnishing trap-rock screenings in Pelham Bay Park.

DREDGING.—Brooklyn, N. Y.—Bids are asked by the department of sewers, 21 Park Row, New York, until Oct. 3 for about 40,000 cu. yds. of dredging in Gowanus Canal and basin at Fourth, Sixth and Seventh Sts. Jas. Kane, Comr.

STEEL AND CASTINGS.—Ft. Monroe, Va.—Bids are asked by the U. S. Engineer, 166 Grand St., until Oct. 18 for furnishing and delivering a quantity of structural steel and iron castings here, as stated in our advertising columns.

WEIR.—Sacramento, Cal.—The auditing board of the commission of public works has, according to reports, let the contract for constructing a weir at the Tisdah brake, 26 miles above Knight's Landing, to Clark & Henry, Stockton, at $19,668.

RETAINING WALL, ETC.—Waterloo, N. Y.—The contract for erecting the guard lock with retaining wall and waste weir in the Seneca outlet near Geneva is said to have been let to Craggie & Moggio, 180 W. Genessee St., Buffalo, at $65,323.

DREDGING.—Dry Tortugas, Fla.—Bids are asked until Oct. 13 for removing about 310,000 cu. yds. from the channel around Garden Key, Dry Tortugas. M. T. Endicott, Ch. Bureau Yards and Docks, Navy Department, Washington, D. C.

STEEL FRAMED TOWER.—St. Augustine, Fla.—Bids are asked until Oct. 22 for erecting a steel framed tower, with shelter for range and position finder at Key West, Fla., as stated in our advertising columns. Capt. Thos. H. Rees, U. S. Engr.

DREDGING.—Washington, D. C.—Bids are asked until Oct. 22 for dredging in York, Mattaponi and Pamunkey Rivers, Milford Haven and Urbana Creek, Va., as stated in our advertising columns. Lieut. Col. Chas. J. Allen, U. S. Engr., 601 18th St., N. W.

SUBWAY.—Toronto, Ont.—Press reports state that the city engineer has been directed to prepare plans for a subway 42 ft. wide at the Lansdowne Ave. crossing, to cost about $60,000. The question of issuing bonds for the work will be voted on at a special election.

CANAL IMPROVEMENT BONDS.—Port Huron, Mich.—Press reports state that a special election will be held to vote on the question of issuing $25,000 in bonds for completing the canal from Lake Huron to Black River. This is in addition to the $75,000 originally voted.

REMOVING WRECK.—Detroit, Mich.—We are informed that the following bids were received Sept. 24 by Lieut. Col. G. J. Lydecker, U. S. Engr., for removing the wreck of the schooner "Leader" and cargo in the Detroit River, near Belle Isle: John S. Quinn & Co., $1,750; Michigan Wrecking & Salvage Co., $3,500.

BOILER.—New York, N. Y.—The following bids were received Sept. 15 by M. T. Endicott, Ch. Bureau Yards and Docks, Navy Department, Washington, D. C., for furnishing and installing one 200 HP. boiler at the navy yard: The Aultman & Taylor Machinery Co., Mansfield, O., $3,849; Abendroth & Root Mfg. Co., 99 John St., New York, $2,980.

STATE CANAL WORK.—Albany, N. Y.—We are informed that the state board of public works has let the following contracts for constructing a towing path extension on the Cayuga and Seneca Canal at Geneva to A. F. Chapman & Co., at $30,823, and for constructing a dyke in Chemung Canal at Elmira to Pulford & Clark, Elmira, at $7,872.

DREDGING MACHINERY.—Biloxi, Miss.—Surgeon P. C. Kalloch, Marine Hospital Service, received the following bids Aug. 21 for furnishing dredging machinery at the Gulf Quarantine Station: A. Kling, Mobile, Ala., $1,239; Alabama Iron Works, Mobile, Ala., $1,257; O. R. Whitney, New York, N. Y., $1,355; Schwartz Foundry Co., New Orleans, La., $1,980.

VAULTS, ETC.—Boston, Mass.—The following bids are said to have been received Sept. 17 by James K. Taylor, Supv. Arch., Treasury Dept., Washington, D. C., for constructing the money vaults, toilet rooms, etc., in the U. S. sub-treasury building: Remington & Sherman Co., Philadelphia, $73,000; Hibbard-Rodman Ely Safe Co., New York, N. Y.; $113,951; York Safe & Lock Co., York, Pa., $93,800.

HYDRAULIC DREDGE.—Detroit, Mich.—Bids are asked until Oct. 30 for constructing one large steel-hulled, self-propelling, sea-going hydraulic dredge, with all necessary appliances, including electric light plant, distilling and refrigerating machinery, as stated in our advertising columns. Specifications are on file at the office of Engineering News, 220 Broadway, New York, N. Y. Maj. Thomas H. Handbury, U. S. Engr.

STATE CANAL WORK.—Albany, N. Y.—Bids are asked until Oct. 4 for building a vertical wall on the Glens Falls feeder, near the street railway power house, at Glens Falls, for dredging in the Chemung Canal and repairing docking in Glen Creek in the village of Watkins and for constructing a slope wall protection along the east bank of the Chemung River in the town of Corning, as stated in our advertising columns. J. N. Partridge, Supt. Pub. Wks.

FOREIGN CONTRACTS AND EXPORT NEWS.

ABATTOIR.—Warsaw, Russia.—We are informed that a large abattoir is proposed, to be furnished with a modern plant.

ELECTRIC TRAMWAYS.—Manchester, Eng.—The House of Lords has passed the bill authorizing this city to build an electric tramway to cost $7,250,000. Address Mr. McElroy, Gen. Mgr. Tramways, and D. Boyle, Chn. Tramways Com.

ELECTRIC LIGHTING.—Cienfuegos, Cuba.—Bids are asked until Oct. 26 by the municipal council for electric lighting.

ELECTRIC PLANT.—Salisbury, Rhodesia, S. A.—The council is considering a proposition from Cecil Rhodes for an electric plant.

POWDER WORKS.—Rio de Janeiro, Brazil.—Bids are asked by the ministry of war, Rio de Janeiro, until Feb. 21 for erecting a powder factory.

TRAMWAY.—Tomsk, Siberia, Russia.—An electric tramway concession has been granted. Pop., 60,000. Arnd's Technical Commercial Bureau, Nowy Swiat, 22, Warsaw, will supply bidders with details, etc.

ELECTRIC PLANTS.—Ladysmith, Natal.—The town council proposes to ask for bids at once for an electric light plant. It is also stated that the tramway company in Capetown, Cape Colony, proposes to spend $250,000 at once for an additional generating plant.

PENSTOCKS, ETC.—London, Eng.—Bids are asked until Oct. 9 for furnishing and erecting nine hydraulic penstocks for the Isle of Dogs branch of the low-level sewer at Cold Harbor, and also for building sewers. Deposit for plans, $5 each. C. J. Stewart, Clk. County Council.

MINING.—Abyssinia, Africa.—We are informed that the Societé Anonyme des Mines d'Or et Autres Minerais has been formed in Brussels to work mines in Abyssinia; capital $200,000. Baron Nicolas de Chedeuvre, 3, bis, rue Clément Mareau, Paris, is the principal stockholder.

LIGHTING CONDUCTORS, ETC.—Barcelona, Spain.—Bids are asked until Oct. 11 for furnishing and installing 31 lighting conductors for the Deposito Comercial. Address the Junta del Puerto de Barcelona. Bids are wanted until Oct. 9 by the minister of marine, Madrid, for a supply of ten copper tubes for a warship.

IRONWORK FOR LOCKS.—Alexandria, Egypt.—Bids are asked by the Inspector of Irrigation, 3d Circle, Alexandria, until Oct. 31 for the masonry and ironwork in connection with regulators and lock at Gilo 6, Rajah, Behera. The conditions, in brief, may be seen at the office of Engineering News, 220 Broadway, New York.

TELEPHONE EXCHANGE.—Santiago-de-Compostetta, Spain.—Bids are asked by the Civil Administration of Corunna Province, or to the Registro del Direccion Generale de Correos y Telégrafos, Madrid, until Oct. 13 for furnishing and equipping a telephone exchange, and by the municipal authorities of Azuaga until Oct. 11 for an electric plant.

RICE-DRYING MACHINERY, ETC.—Novaro, Italy.—Plans are asked by La Direction du Comice Agricole de Novaro until March 1 for rice-drying machinery. The first prize is 8,000 lire ($1,384).——It is reported that the file and tool works of Pastory Bros., Turin, will be extended by La Fabriche Italiane di Lime e Utensili, the new owners.

FACTORY TIMEKEEPERS.—Munich, Germany.—U. S. Consul Worman, of Munich, under date of Aug. 1, states that most factories in Germany have nothing like the American electric timekeepers, and an effort to introduce them into Germany, especially into South Germany, where new enterprises are constantly being launched, ought to be successful.

WATER SUPPLY, ELECTRIC PLANT AND BRIDGES.—Tegucigalpa, Honduras.—We are informed that the government is desirous of letting contracts to improve the water supply and erect a better electric light plant, and also to build some bridges. Population, 28,000. Henry A. Spears, Engr.; Francisco Altschul, Minister of Fomento, Tegucigalpa.

GLASS FACTORIES.—Jerez de la Frontera, Spain.—We are informed that La Jerezana, a glass manufacturing company of Jerez de la Frontera, has been formed with a capital of $320,000, to work the glass factories of this place and others which it may be able to acquire, etc. André Bocuze, Manufacturer, Quai de la Guillotiere, Lyon, France, is the administrator.

IRON BRIDGE, ETC.—Melbourne, Victoria.—Bids, it is stated, will soon be asked by the land and survey department, Melbourne, for an iron and steel cantilever bridge over the Rangitikee River. It will have two 72-ft. spans and one 242-ft. span. The material must be imported in the rough.——It is said that iron works, to cost about $100,000, will be built at a place 40 miles from Geelong.

SHIPYARD.—Antwerp, Belgium.—We are informed that the Vulcaine Belge has been formed with a capital of $800,000 to construct and repair ships and machines, copper smiths, iron founderies, etc., and for armor plating, etc., of ships. The works will be installed at Hoboken, near Antwerp, on the banks of the River Scheldt. Address H. Albert De Bary & Cie., Antwerp.

RAILWAYS.—Philippine Islands.—The Philippine Commission, consisting of Wm. H. Taft, Chn., Prof. Dean C. Worcester, Gen. L. E. Wright, Henry C. Ide and Bernard Moses, now in session at Manila, has recommended the general granting of railway franchises. The only line in the country, the Manila Ry., will be extended 45 miles from Dagupan to Bangued, as noted in our last issue. H. R. Briggs, Secy., 43 New Broad St., London, E. C.

WATER-WORKS AND SEWERAGE.—Heyst-sur-Mer, Belgium.—Bids were asked by the city authorities until Sept. 26 for furnishing the materials and for constructing water-works to cost $120,000 and a sewerage system to cost $440,000. Bids are asked by the Council House of Seraing, near Liege, Belgium, until Oct. 6 for the first section of the water-works, to cost $41,000. Bids for wiring the corporation tramway, Liege, were received Sept. 25.

RAILWAY.—Bolivia.—The German consul in Cochabamba, Rudolph Krüger, has applied to the government to obtain a concession for a Berlin syndicate to build a railway covering southern Bolivia in different directions. The road is to commence at a port on the Paraguay River and run to Santa Cruz de la Sierra, from which point there are to be branch lines to Sucre, Cochabamba, Oruro, La Paz and Potosi. The company asks a grant of 10 kilometers of land on each side of the line and privileges for 60 years, after which time the state may purchase the road.

BUILDING DESTROYED.—Constantinople, Turkey.—A press report on Sept. 22 states that a fire in the Hass Keui (Khas Koi?) district has destroyed 150 residences, 40 shops, and a synagogue. In our issue of Aug. 23 we stated that it was proposed to build water-works, as well as a sewerage system.——The Board of Trustees in Boston (Mass.) of Euphrates College, at Harpoot, Eastern Turkey, has received a dispatch from C. Frank Gates, Pres., that permission to reconstruct the buildings destroyed by the Turks in the autumn of 1895 has been given by the local government.

MANUFACTURING PLANTS.—Mazatlan, Mex.—Reports state that there will be erected at Mazatlan a brewery with $300,000 capital; a furniture factory, with $40,000 capital; a soap factory, with $80,000 capital, and brick works, with a capital of $60,000. Two distilleries, capitalized at $50,000 and $100,000, respectively, have just started operation. Two new steamship companies, with capitals of $200,000 and $400,000 were recently inaugurated. The sums named are subscribed in Mexican currency. No improvements are being made to the harbor by the government as was recently reported.

MINING MACHINERY, ELECTRICAL MATERIALS, BRIDGE WORK, ETC.—Corea.—Holme, Ringer & Co., Chemulpo, Corea, desire to secure catalogues, etc., of gold milling machinery, gold mining tools, picks, hauling ropes, pumping machinery, irrigation machinery, bridge work, electrical and telephone machinery wire, chemicals for gold mining, candles, hardware, etc. Illustrated catalogues are specially wanted. It is said that there are several good opportunities for securing concessions for electric and steam railways, telegraph and telephone lines, etc.

RAILWAY MATERIAL.—Vienna, Austria-Hungary.—The administration of the Kaiser Ferdinands-Nordbahn, at Vienna, will soon ask for tenders for the supply of a considerable quantity of railway material, including, among other things, 1,383 pairs of wheels with axle-trees, 2,000,000 cramp-irons, 17,646 lineal meters of cast-iron gas pipes, and about 1,000 tons of rails. Foreign firms are allowed to tender. R. Jeitteles, Gen. Dir., 50 Nordbahnstrasse, Vienna; W. Royl, Mech. Engr.

ROLLING STOCK.—Milan, Italy.—The minister of railways has authorized the Southern Ry. Cos. (the Mediterranean and the Sicilian) to call for tenders for rolling stock. In order to be able to tender, those interested must first address their application to the inspector general of railways or the minister of public works, Rome, or to the offices of the companies at Milan, Florence, and Palermo. In our issue of Aug. 2 we stated that these companies would spend about $9,000,000 for rolling stock. G. Olivea, Gen. Mgr., Mediterranean Ry., Milan; G. Mazza, Gen. Mgr. Sicilian Ry., Palermo.

PORT WORKS.—Recife, Brazil.—Bids are asked by the Ministry of Industry, Rio de Janeiro, Brazil, until Nov. 30 for the following work for the port works at Recife: The construction of a quay, alongside which vessels can moor, having a depth of seven meters of water at the lowest tides, filling up with sand the space between this quay and the present line of the shore, the installation of electric or hydraulic cranes, the construction of warehouses for storing and protecting goods and the construction of lines of railway along the quays, and the widening of the existing road along the north quay. A deposit of 10 centos of reis caution money will be required.

ELECTRIC PLANT AND TRAMWAYS.—Philippopoli, (East Roumalia), Bulgaria.—Bids are asked until Nov. 4 for the purchase of a concession for an electric plant and tramway, as stated in our issue of Sept. 13. We are informed that the concession will be for 40 or 50 years. There will be 1,200 incandescent and 20 arc public or street lights for which the town will pay about $8,000 a year, besides numbers of private lights. There are about 800 establishments, such as hotels, restaurants, etc. The tramway will be on the four main streets at first, with extensions to Stanimaka, 12 miles, and to Hissar, 24 miles. Address Mayor Schalckoff and Secretary Zelkoff.

PORT WORKS, ETC.—Argentina.—Reports state that bids will be asked at once by the ministry of public works for leasing the port of La Plata with concession of a railroad line; constructing a harbor at Mar del Plata, and establishing new lines connecting this latter port with the richest districts of Buenos Aires Province.——It is reported that Wm. Goodwin, 268 Calle Reconquista, Buenos Aires, is to shortly be in the market for all the material necessary to build a grain elevator, concession for which he obtained from the government some time ago. The undertaking is to cost $700,000 gold, and all the material for the construction is to enter into the country free of duty.

RAILWAY MATERIAL.—Indo-China.—Bids are asked by the Minister of Colonies, Bureau of the Inspector General, Paris, France, until Nov. 9 for ballast works and laying rails for the railway from Hanoi to Vinh, Indo-China, until Nov. 16 by the Directori des Travaux Publics de la Cochinchine, Saigon, I-C., or the Inspector-General, Paris, for the rails, materials, etc., for constructing the proposed Saigon-Kanhoa-Langliang Ry., and until Dec. 15 for constructing the bridges, etc., on the Saigon-Tan-linh section. The entire line will cost about $40,000,000, as noted in our last issue. The conditions regarding deposits may be seen at the office of Engineering News, 220 Broadway, New York.

UNDERGROUND RAILWAY. — London, Eng. — The "Times" has confirmed the report that Chas. T. Yerkes, of Chicago and New York, has purchased the franchise of the Charing Cross, Euston & Hampstead Underground R. R., as noted in our last issue. The contracts are said to have been signed and the work of construction will be begun almost immediately. The enterprise in the main will be in the hands of American capital. The original directors have retired, Mr. Yerkes appointing the new board. It is expected that the line will be completed in two years. Mr. Yerkes will sail for New York Oct. 6, Mr. Housman leaving Sept. 29 and Mr. Davis remaining in London in connection with the scheme.

TRAMWAY POWER STATION.—Portsmouth, Eng.—Dick, Kerr & Co., 101 Leadenhall St., London, E. C., have been awarded the contract at about $138,280 for furnishing and equipping the tramway power station. R. W. Blackwell & Co., 120 Liberty St., New York, submitted the next lowest bid at about $149,375. Other bids were submitted by the Electric Construction Corporation, Ltd., Walbrook, London, E. C.; Siemens Bros. & Co., Ltd., 12 Queen Anne's Gate, Westminster, London; British Westinghouse Co., London; Brush Electrical Engineering Co., Ltd., 49 Queen Victoria St., London, E. C.; British Schucker & Co., Ltd., London; Combe, Barbour & Combe, London. J. W. Perkins has the contract for erecting the building at $52,000.

SEWERAGE SYSTEM, PAVING, ETC.—Havana, Cuba.—We are informed that a compromise has been made between Col. M. J. Dady, 350 Fulton St., Brooklyn, N. Y., and the U. S. Engineers, for the construction of the proposed sewerage system, and work will begin at once under the direction of the U. S. Engineers. A loan of $40,000,000 will be arranged with Francisco de Armas for building the sewers, paving and erecting public buildings. The general plans for the sewers were prepared by Samuel M. Gray, Providence, R. I., and provide for a separate system. The storm water to discharge into the harbor or sea as may be most convenient. The sewage is to be carried across the herbor at a point near Morro Castle in a 5-ft. siphon, laid in a trench cut in the bottom, the depth of water being 45 ft. Tunneling is impossible on account of the porous nature of the rock, and the existence of a large fault filled with sand in mid-channel. The point of discharge is 3,400 ft. east of Morro Castle. The outfall is to be a 5-ft. cast-iron pipe, laid in a trench cut in the rock bottom, extending 600 ft. from shore. The complete plans, including the sewerage of Regla, Casa Blanca and Vedado involve the building of six pumping stations. Lieut. W. J. Barden, U. S. Engr., Ch. Engr., of Havana; W. M. McDonald, Supt. Sts.

ICE PLANTS, ETC.—Mexico.—The state of Aguascalientes has granted a concession to Messrs. Felgueres and Gallegos for an ice factory in Aguascalientes. The concessionaires are obligated to invest at least $5,000 in the enterprise. The capital, machinery, lands, and buildings used in the construction and operation of the plant are exempt from taxation for a period of ten years. Chávez & Bernal have also been authorized by the legislature of the state of Aguascalientes to operate a factory in the capital of the state for the manufacture of iron and brass bedsteads and wire springs. Their investment, which must not be less than $5,000, is exempt from taxation for a period of ten years. Neither of these industries exist at the present time in this state, and the concessions have been made for the purpose of encouraging and attracting new enterprises.

RAILWAY, PIER, ETC.—Honduras.—We are informed that the North Coast & Olancho Valley R. R. Co., 309 Fidelity Bldg., Philadelphia, Pa., will probably soon begin the construction of its line from Port Burchard, on the north coast, to El Dorado, on the Paulaya River, about 40 miles. There will be required a two-span steel bridge 450 ft. long, besides smaller structures and an ocean pier at Port Burchard to be 800 ft. long built on screw piles in six fathoms of water. The company will be granted nine square miles of land for each mile of road, the land to be turned over to the company on the completion of each 15-mile section of line. This company was incorporated in May with a capital of $750,000 by Chas. D. Cramp, J. H. Hamilton and others of Philadelphia, and Jas. P. Hosmer, of New York. The railway is being built in conjunction with the plantation of the American Tropical Planting Co., 310 Fidelity Bldg., Philadelphia, recently incorporated with a capital of $1,000,000. The road will pass through rich timber and mineral properties. The plantation company owns 5,000 acres of land on the north coast and running back to the foothills of the Cordilleras. The land secured by the railway company on the completion of the line, in all about 115,000 acres, will be used for colonizing purposes. Chas. S. Putnam, Ch. Engr., 309 Fidelity Bldg., Philadelphia

RAILWAY.—Ecuador.—The James P. McDonald Co., 35 Nassau St., New York, N. Y., who has the contract to build a railway from Guayaquil to Quito, is said to be seeking to engage 5,000 Jamaican laborers. Through Chimbo Pass, 9,000 ft. above sea level, the G. & Q. Ry. Co. runs to a high plateau of the Andes with an average elevation of 10,000 ft. The miles of road thus far constructed run through a rich and fertile valley, almost directly under the equator. From Guayaquil, the seaport of Ecuador, the distance is about 300 miles, and the railway will open a large coal region. The company which obtained the railway concessions also received the right to establish financial institutions. It was formed several years ago and incorporated under the laws of New Jersey. Subsidies were said to have been promised to the development company that would more than offset the cost of building the railway. A small section of 65 miles from Guayaquil to the foot of the mountains was built by Spanish capital several years ago and is now in operation. The franchise of the entire road was given by the government for 75 years. The government of Ecuador required a deposit of $500,000 as a security for its concessions. Further information may be found in our issues of July 12 and 19. Maj. John A. Harmon, Ch. Engr., Guayaquil.

CONTRACT PRICES.

ROAD.—Middlesex Fells Reservation, Mass.—The following bids were received by the Metropolitan Park Board, Boston, Sept. 17, for building a road in the Whitmore Brook entrance, Middlesex Fells Reservation: W. T. Pierce, Engr., Boston:

Bids Received at Boston, Mass., Sept. 17, 1900 for Constructing a Road on Middlesex Fells Reservation.

Bidder.	Clearing & grubb'g, 2 acres.	Earth grading, 13,000 yds.	Pipe drain 12-in. 180	Pipe drain 15-in. 140	Pipe drain 20-in. 100	Pipe drain 24-in. 90	Rubble masonry, 330 yds.	C'ble-stone gutt'r, 1,000	Surfacing: Gravel road-way, 9,600	Surfacing: Loam, 11,000	Total.
			lin. ft.					sq. yds.			
Old Colony Construction Co., Boston	$125.00	$0.48	$0.60	$0.75	$1.30	$1.80	$3.50	$2.50	$0.55	$0.34	$19,670
William Cashman, Quincy	125.00	.65	.40	.70	1.00	2.00	4.00	.50	.35	.15	16,030
Mirick & Wentworth, Malden	250.00	.36	.45	.60	1.10	1.75	6.00	.85	.36	.15	13,549
Richard Falvey, Somerville	175.00	.35	.45	.60	1.15	2.75	5.50	.40	.40	.10	12,583
Augusta Saucier, South Framingham	50.00	.27	.70	.90	1.20	2.25	5.00	.45	.45	.09	11,595
A. J. Wellington, Boston	50.00	.35	.45	.55	1.00	1.60	5.00	.50	.25	.10	10,702
Thomas H. Gill, Somerville	50.00	.44	.39	.40	1.00	2.00	2.25	.50	.20	.10	10,489
Lahey & Meskill, Stoneham	175.00	.37	.45	.57	.87	2.04	6.00	.75	.08	.11	10,299
John H. McCusker, Waltham	150.00	.35	.45	.70	1.15	2.25	4.50	.60	.15	.12	10,192
Coleman Bros., Charlestown	200.00	.34	.50	.75	1.15	2.25	4.00	.80	.10	.15	10,063
H. A. Hanscom & Co., Boston	100.00	.33	.59	.75	1.15	1.55	3.00	.65	.20	.08	9,396
Chas. G. Craib, Winthrop (accepted)	50.00	.25	.40	.50	.90	2.00	4.50	.20	.10	.05	6,957

WATER PIPE, HYDRANTS, VALVES, ETC.—Iola, Kan.—The following bids were received Sept. 11, 1900, for furnishing water pipe, hydrants, valves, and castings for the proposed works, the total bids for which were given in our last issue, (1) being for single-nozzle hydrants, (2) for double-nozzle hydrants, (3) for 4-in. valves, (4) for 6-in. valves, (5) for 8-in. valves, (6) for 10-in. valves, (7) for cast-iron pipe, (8) for special castings: Rensselaer Mfg. Co., (1) $23.50, (2) $24.75, (3) 9.75, (4) $13.75, (5) $19.50, (6) $28.25; Ludlow Valve Mfg. Co., (1) $24, (2) $25.50, (3) $12.50, (4) $18, (5) $25, (6) $34; Sweet & Doyle, vincent valve. (7) $23.85, (8) 2½ cts.; Dimmick Pipe Co., (7) $26.90, (8) 2 cts. W. W. Cook, Junction City, Kan., secured the contract for the erection at $58,473. Burns & McDonnell, Engrs., Postal Telegraph Bldg., Kansas City, Mo.

MUSHROOM ANCHORS.—Willets Point, N. Y.—The followings bids were received Sept. 17, 1900, by the U. S. Engineer for furnishing mushroom anchors, as advertised in Engineering News, per 100 lbs., and point of delivery f. o. b. cars or boat: Sylvester H. Leary, Brooklyn, 90 cts a 100 lbs., Brooklyn; Logan Iron Works, Brooklyn, $1.16¼, New York; Roberts Machine Co., Collegeville, Pa., $1.25, $1.27 and $1.30, Collegeville; Marine Mfg. & Supply Co., New York, $1.60, New York; Lehigh Foundry Co., New York, $1.23⅛, Fullerton, Pa.; Charles E. Ellicott, Baltimore, Md., 94¾ cts., Baltimore; James Reilly Repair & Supply Co., New York, $1.11, New York; Topping Bros., New York, $1.50, Boston, $1.65 Savannah, Ga., $1.35 Philadelphia, $2.25 Seattle, Wash.; The Snead & Co. Iron Works, Jersey City, N. J., $1.29, Jersey City; Co-operative Foundry, Detroit, Mich., $1.50, Detroit; Bing Foundry & Machine Co., Philadelphia, $2.20, Philadelphia; New Jersey Foundry & Machine Co., New York, $1.09, New York; The Vulcan Iron Works Co., Seattle, Wash., $2.64 Bean Point, Wash., $2.50 Seattle; Chamblin & Scott, Richmond, Va., $1.48, Richmond; Hoffman Engineering & Contracting Co., Philadelphia, $1.72, Willets Point; Petersburg Iron Works Co., Petersburg, Va., $1.20, $1.25 and $1.40, Petersburg; P. Hollingsworth Morris, Philadelphia, $1.149 and $1.16, Chester, Pa.; Weaver-Hirsh Co., Allentown, Pa., $1.00, $1.12½ and $1.25, Allentown; Metcalf Iron Works, Brooklyn, $1.37½ and $1.50, Brooklyn; A. R. Heintz & Co., Portland, Ore., $1.75, Portland; Oakland Iron Works, Oakland, Cal., $1.68, Oakland; Chattanooga

Car & Foundry Co., Chattanooga, Tenn., 82½ cts., Chattanooga; Thompson C. Gill & Co., Philadelphia, Pa., $1.24, Philadelphia; Wolff & Zewicker Iron Works, Portland, Ore., $2.05, Portland; Manhattan Supply Co., New York, $1.47, $1.52 and $1.62 Philadelphia, $1.55, $1.57 and $1.59 New York; West Side Foundry Co., Troy, N. Y., $1.15 and $1.20, Troy; Hoefinghoff & Lane Foundry Co., Cincinnati, O., $1.40, Cincinnati; The North Penn Iron Co., Philadelphia, $1.18 on 46 anchors Pittsburg, $1.17 on 113 or on all Pittsburg, Pa., or Duluth, Minn.; Moran Bros. Company, Seattle, Wash., $2.50, Seattle; The John Baizley Iron Works, Philadelphia, $2.37½, Philadelphia; Fred H. Pell, New York, $1.08 and $1.10, Bridgeport, Conn.

BRICK SEWERS.—Boston, Mass.—The following bids were received by the Metropolitan Sewerage Commission Sept. 17 for brick sewers in Chelsea and Roxbury:

WATER PIPE.—Washington, D. C.—The following bids were received Sept. 17, 1900, by Lt.-Col. A. M. Miller, U. S. Engr., Washington Aqueduct, for furnishing 5,760 ft. of 48-in. cast-iron water pipe: Camden Iron Works, Philadelphia, $25.95 a ton; U. S. Cast-Iron Pipe & Foundry Co., $22.95.

ELECTRIC WIRE.—New London, Conn.—The following bids for furnishing insulated electric wire were received Sept. 10, 1900, by Maj. S. S. Leach, U. S. Engr., (1) being for the National India Rubber Co., Bristol, R. I., (2) for the American Steel & Wire Co., Worcester, Mass., (3) for the National Conduit & Cable Co., New York, (4) for the Safety Insulated Wire & Cable Co., New York, (5) for the Okonite Co., New York: Class "A," double-conductor lead covered cable: 900 ft. No. 000, (2) 62 cts., (3) 50 cts., (4) 68 cts., (5) 87 cts.; 340 ft. No. 2, (2) 42 cts., (3) 29 cts., (4) 42½ cts., (5) 56 cts.; 430 ft. No. 3, (2) 39 cts., (3) 25 cts., (4) 38½ cts., (5) 52 cts.; 150 ft. No. 4, (2) 36 cts., (3) 22 cts., (4) 31 cts., (5) 46 cts.; 120 ft. No. 6, (2) 30 cts., (3) 20 cts., (4) 27½ cts., (5) 41 cts.; 30 ft. No. 8, (2) 27 cts., (3) 18 cts., (4) 22½ cts., (5) 39 cts.; 60 ft. No. 10, (2) 25 cts., (3) 16 cts., (4) 19 cts., (5) 25 cts. Class "B," single conductor cable: 100 ft. No. 0000, (1) 25 cts., (2) 26 cts., (4) 26½ cts., (5) 24 cts.; 680 ft. No. 2, (1) 10 cts., (2) 10½ cts., (4) 10½ cts., (5) 13 cts.; 810 ft. No. 3, (1) 9 cts., (2) 9 cts., (4) 8¾ cts., (5) 9 cts.; 320 ft. No. 4, (1) 7½ cts., (2) 7½ cts., (4) 7¾ cts., (5) 8 cts.; 650 ft. No. 6, (1) 6 cts., (2) 6½ cts., (4) 6½ cts., (5) 6 cts.; 690 ft. No. 8, (1) 5 cts., (2) 4½ cts., (4) 4¾ cts., (5) 5 cts.; 820 ft. No. 10, (1) 4½ cts., (2) 3½ cts., (4) 3½ cts., (5) 3½ cts.; 1,680 ft. No. 12, (1) 3½ cts., (2) 3 cts., (4) 3 cts., (5) 3 cts.; 2,400 ft. No. 14, (1) 2¼ cts., (2) 2¼ cts., (4) 2¾ cts., (5) 2½ cts.

WATER METERS.—Syracuse, N. Y.—The following contracts were let Sept. 7, 1900, for furnishing water meters: Neptune Meter Co., 150 ¾-in. meters, $9.50 each; Hersey Rotary Meter Co., 327 ¾-in. meters $19.75, 225 1-in. meters $27 each; Worthington Meter Co., 40 1½-in. meters $29 each, 10 2-in. meters $35 each.

LEVEE WORK.—Memphis, Tenn.—G. Clay Ferguson, Ark., has been awarded the contract at 12.90 cts. a cu. yd. for work in the Upper St. Francis levee district from station 3-29 × 50 to sta lon 4-0. Capt. E. Evelyn Winslow, U. S. Engr., Memphis.

ARCH SEWER.—Dubuque, Ia.—The contract for a stone arch sewer in Elm St. and Couler Creek was let Sept. 20, 1900, to Stenck & Linehan, of Dubuque, at $3.99 a cu. yd., including excavation and filling. Estimated amount of masonry, 3,500 cu. yds. L. M. Langstaff, Cy. Recdr.

DREDGING.—Malden River, Mass.—Col. Chas. R. Suter, U. S. Engr., Boston, received the following bids Sept. 25, 1900, for dredging in Malden River; all Boston bidders: Harris & Letteney, 47 cts. a cu. yd. in scows; Eastern Dredging Co., 43½ cts. and $1.00 a cu. yd. for removing boulders over 5 tons each; Aug. B. Martin, 43 cts. and $5.00.

SEWERS.—Scranton, Pa.—The following bids were received Sept. 20, 1900, for sewers in the 19th sewer district: Peter Reilley, Wilkesbarre, Pa., $3.25 per ft. complete; Harmer & Quinn, Philadelphia, Pa., $2.73; R. A. Malone, Lancaster, $2.27. This sewer is composed of about 54,550 ft. of different size pipes, about 2,340 ft. of tunnel (6 × 5.5 ft.) and about 6,530 ft. of different size brick sewer. Average depths about 12 ft. The price bid per lineal foot includes 374 manholes, 161 basins and about 26,460 ft. of 6-in. house connections. Jos. F. Phillips, Cy. Engr.

TIMBER.—Bangor, Me.—Morse & Co. have been awarded the contract at $11 a 1,000 ft. for about 40,000 ft. B. M. of hemlock timber for repairing the sluiceway.

SEA WALL.—Boston, Mass.—The following bids were received Sept. 20, 1900, for constructing about 1,000 ft. of sea wall at Sand Hill, Scituate; F. N. Wales, Clk. Bd. Harbor and Land Comrs., Boston; all Boston bidders unless otherwise stated:

Bidder.	Wall, 8-ft.	Wall, 6-ft.	Fill-ing.
*Taylor, Carr & Andrews, 64 Federal St.	$5.00	$4.75	$0.90
Myrick & Wentworth, Malden	9.50	8.00	1.00
Joseph Ross, Ipswich, Mass.	6.45	4.97	.50
John J. Falvey, 34 School St., Boston	7.85	5.85	.55
G. H. Weatherbee, Jr., Braintree, Mass.	7.95	5.90	.60
Coleman Bros., Charlestown, Mass.	9.50	8.50	.75
Bruno, Salomone & Petitti, East Boston	5.70	4.85	.50
D. A. Dorey, 35 Montrose St., Somerville	7.39	5.50	.80
Thomas & Connor, Middleboro, Mass.	6.90	5.75	.58
S. J. Cowin & Co., 9 Hanover St., Boston	8.14	7.83	.46
Warren Bros. Co., 143 Federal St., Boston	8.99	6.65	.35
J. Cashman, 49 Cross St., Quincy	4.50	6.30	.60
H. H. Sylvester, North Scituate, Mass.	10.85	8.13	1.75
A. H. Eichorn, 550 Massachusetts Ave.	8.55	6.55	.65

*Awarded contract.

SIDEWALKS AND GUTTERS.—Bessemer, Ala.—The following bids were received Sept. 18, 1900, for sidewalk and gutter work; contract awarded C. M. Burkhalter & Co.; W. J. Parkes, Engr., 2022½ First Ave., Birmingham, Ala.:

Bidder.	A sq. yd. Vit. brick gutter.	A sq. yd. Cement sidewalk
C. M. Burkhalter & Co., Birmingham	$1.25	$1.15
Dunn & Lallande, Birmingham, Ala.	1.30	1.20
Meridian Const'n Co., Indianapolis, Ind.	1.29	1.30
E. Hopkins, Bessemer, Ala.	1.80	1.23
D. W. Houston, Bessemer, Ala.	1.80	1.60
J. T. Crawford, Bessemer, Ala.	1.85	....

INDUSTRIAL NOTES.

THE EDWARD P. ALLIS CO., Milwaukee, has opened an office at 110 Mill St., Spokane, Wash., in charge of Mr. H. V. Croll.

THE AMERICAN BRIDGE CO., New York, has the contract for the boiler shop and machine shop and foundry for the new shipbuilding plant of the Risdon Iron Works, San Francisco.

THE [illegible]NDARD PNEUMATIC TOOL CO., Marquette Bldg., Chicago, has opened a branch office at 185 Sumner St., Boston, in charge of Mr. Frank A. Barbey, as representative of the New England States.

THE WILMARTH & MORMAN CO. manufacturers of the "New Yankee" drill grinder, will move its entire plant Oct. 1 from Kalamazoo to Grand Rapids, Mich. The company reports an increasing trade, especially with foreign countries.

THE EDSON MFG. CO., 132 Commercial St., Boston, reports an excellent business, both in this country and abroad. Last week it received from Siberia a registered letter asking quotations on ten of its trench pumps and outfits, and also a letter from Bombay asking for information and prices.

THE NEW ENGLAND STRUCTURAL CO., Boston, has been awarded the contract for the steel frame work for the engine and boiler house for the United States Steel Co., at Everett, Mass. The contract calls for completion in six weeks. This company will also build from its stock on hand the steel frame work for the new Stillman Infirmary at Harvard University, and will later furnish the ornamental iron work for this building.

CATALOGUES ARE REQUESTED by the General Society of Mechanics and Tradesmen, of No. 20 West 44th St., New York, which has added a new department to its library, to be composed of catalogues of all kinds, connected with building, contracting, machinery supplies of all kinds, etc., etc. The catalogues will be kept on file, properly indexed, and are to be accessible at all times to anybody desiring to consult same, and will constitute a part of the library, which now consists of over 100,000 volumes, and is free to all applicants.

WATER-WORKS APPLIANCES.—The following had exhibits at the meeting of the New England Water-Works Association at Rutland, Vt., last week:

METERS.—The Hersey Mfg. Co., South Boston, Mass.; Henry R. Worthington, New York city; Thomson Meter Co., Brooklyn, N. Y.; Union Water Meter Co., Worcester, Mass.; National Meter Co., New York.

WATER-WORKS TOOLS AND SUPPLIES.—Sumner & Goodwin Co., Boston, Mass.; The A. P. Smith Co., Newark, N. J.; The H. Mueller Mfg. Co., Decatur, Ill.

VALVES.—Sweet & Doyle, Cohoes, N. Y.; Ross Valve Co., Troy, N. Y.

MISCELLANEOUS.—Henry F. Jenks, Pawtucket, R. I., Drinking Fountains; Garlock Packing Co., Palmyra, N. Y., Lead-Lined Iron Pipe Co., Wakefield, Mass.

NEW COMPANIES.—Rainier Flume & Electric Light Co., Rainier, Ore.: $3,000; J. Silver, W. L. Stacy.

Columbia City Heat & Power Co., Columbia City, Ind.; $10,000; J. A. Rich, A. A. Adams, T. B. Marshall.

Camden Gaslight & Fuel Co., Camden, N. J.; $600,000; F. W. Emger, G. Barker, E. A. Pruden, Newark.

Key City Gas Co., Dubuque, Ia.; $270,000; W. L. Bradley, G. McLean.

BIDS RECEIVED AT BOSTON, MASS., SEPT. 17, 1900, FOR WORK ON METROPOLITAN SEWERAGE SYSTEM

Section 56, Metropolitan Sewerage System, Chelsea.

Bidder.	Earth excavation and refill: 42-in. sewer, 2,640 lin.ft.	Earth excavation and refill: 33-in. sewer, 250 lin.ft.	Masonry: Brick: American, 600 cu.yds.	Masonry: Brick: Portland, 300 cu.yds.	Masonry: Concrete: American, 500 cu.yds.	Masonry: Concrete: Portland, 200 cu.yds.	Spruce, in place: Lumber, 50 M. ft. B. M.	Spruce, in place: Piles, 30,000 lin.ft.	Total.
Strout & Foster, Chelsea	$5.80	$7.81	$13.00	$16.25	$4.95	$6.25	$26.50	$0.13	$38,890
Bruno & Salomone, Boston	4.00	4.50	13.00	15.00	7.00	8.00	40.00	.25	38,585
Jones & Meehan, Boston	5.00	5.00	12.50	14.00	5.00	7.00	40.00	.20	38,050
Old Colony Const'n Co., Boston	3.40	3.00	14.50	16.50	7.00	8.00	32.00	.20	36,076
Chas. G. Craib, Winthrop	3.50	2.50	12.00	14.00	5.50	7.00	28.00	.20	32,815
Beckwith & Quackenbush, Boston	3.00	3.00	11.00	12.00	6.00	7.50	30.00	.25	32,370
H. A. Hanscom & Co., West Medford	3.25	3.75	12.50	14.25	5.75	7.25	30.00	.16	31,918

Section 57, Metropolitan Sewerage System, Chelsea.

Bidder.	Earth excavation and refilling: 33-in. sewer, 1,640 lin.ft.	Earth excavation and refilling: 30-in. sewer, 640 lin.ft.	22×28" sewer, 3,150 lin.ft.	Masonry: Brick: American, 700 cu.yds.	Masonry: Brick: Portland, 300 cu.yds.	Masonry: Concrete: American, 200 cu.yds.	Masonry: Concrete: Portland, 50 cu.yds.	Spruce lumber, placed, 10 M. ft. B. M.	Total.
Jones & Meehan, Boston	$3.00	$2.50	$3.00	$12.50	$14.00	$5.00	$7.00	$40.00	$30,670
Beckwith & Quackenbush, Boston	2.50	2.50	2.80	11.00	12.00	6.00	7.50	30.00	27,695
Strout & Foster, Chelsea	2.15	1.65	2.15	12.75	15.80	4.80	6.25	24.50	26,537
C. E. Trumbull & Co., Boston	1.90	1.90	1.90	13.00	16.00	6.00	8.00	35.00	26,167
Bruno & Salomone, Boston	2.10	2.10	1.70	13.00	15.00	7.00	8.00	35.00	25,893
Richard Falvey, Somerville	1.80	1.70	2.25	12.00	14.00	6.00	8.00	30.00	25,628
Charles G. Craib, Winthrop	1.75	1.75	1.75	12.75	14.50	4.50	6.50	20.00	24,203
Old Colony Const'n Co., Boston	1.10	1.00	1.35	15.00	16.00	7.00	8.50	32.00	24,142
H. A. Hanscom & Co., West Medford	1.65	1.65	1.65	12.50	14.25	5.75	7.25	35.00	23,847

Sec. 74, High-Level Sewer, West Roxbury and Roxbury.

Quantities.		Charles F. Taylor & Co., Syracuse, N. Y.	Shailer & Schniglau Co., Chicago.	Jones & Meehan, Boston.	H. P. Nawn. Boston.
Earth excavation and refill: Trench, 78×84-in. sewer	300 lin. ft.	$15.00	$14.00	$15.00	$11.00
And rock with refill: Tunnel, 99×110-in. sewer	1,000 " "	50.00	40.00	38.00	39.50
Same in tunnel for 78×84-in. sewer	1,685 " "	35.00	32.00	31.00	24.00
Masonry: Brick—American, in trench	125 cu. yds.	13.00	13.00	12.00	12.00
Brick—American in tunnel	1,400 " "	15.00	14.50	14.00	14.00
Portland in trench	50 " "	14.00	14.50	14.00	14.50
Portland in tunnel	500 " "	16.00	15.00	16.00	17.00
Concrete—American in trench	100 " "	7.00	5.25	5.00	5.50
American in tunnel	700 " "	7.00	6.00	6.00	7.00
Portland in trench	100 " "	8.00	7.25	6.50	7.00
Portland in tunnel	700 " "	8.00	7.75	7.50	8.50
Spruce lumber in place	10 M. ft.	30.00	30.00	35.00	30.00
Rock excavation in trench	1,000 cu. yds.	6.00	4.00	4.00	4.00
Total		$163,100	$143,445	$139,485	$129,965

LOCKS AND DAMS.—Monongahela River, Pa.—The following bids were received Sept. 15 by Maj. C. F. Powell, U. S. Engr., Pittsburg, Pa., for completing two locks and dams and building four locks and dams in the Monongahela River above Morgantown, Pa.:

BIDS RECEIVED AT PITTSBURG, PA. SEPT. 15, 1900, FOR LOCKS AND DAMS ON MONONGAHELA RIVER.

Locks and Dams, Nos. 12 and 13.

Quantities.		T. A. Gillespie Co., Pittsburg.	C. Cramer, Pittsburg.	I. V. Hoag, Jr., Allegheny.	Hingston, Pihl & Cooper, Pittsburg.	Jas. Stewart & Co., Pittsburg.
Grubbing and clearing		$400.00	$600.00	$1.00	$200.00	$500.00
Excavation: Earth	4,900 cu. yds.	.25	1.00	3.50	.50	.50
" Hard-pan	4,048 " "	.75	2.25	3.50	1.20	1.25
" Rock	2,830 " "	1.25	2.60	3.50	2.00	2.00
" Embankment	9,827 " "	.25	.75	.50	.35	.35
Concrete	31,278 " "	7.50	9.90	9.00	6.27	7.15
Stone ballast in cribs	1,829 " "	1.50	2.60	1.50	2.00	2.25
Stone paving	5,575 sq. yds.	1.75	2.75	1.50	2.00	1.75
Timber: Gates, spars, quoins and sills	105,272 ft. B.M.	72.00	100.00	100.00	70.00	80.00
For cribs—Class A	140,727 " "	52.00	35.00	75.00	35.00	35.00
For cribs—Class B	82,924 " "	54.00	38.00	50.00	40.00	45.00
Bolts: Drift	15,442 lbs.	.03½	.05	.05	.03½	.03
Screw	1,000 "	.03½	.05½	.05	.04	.05
Total		$277,691	$378,506	$364,796	$243,720	$272,211

Locks and Dams Nos. 14 and 15.

Quantities.		C. Cramer, Pittsburg.	Richard H. Brodhead, Easton.	I. V. Hoag, Jr., Allegheny.	Hingston, Pihl & Cooper, Pittsburg.	Jas. Stewart & Co., Pittsburg.
Grubbing and clearing		$600.00	$3,000	$1.00	$200.00	$500.00
Excavation: Earth	11,861 cu. yds.	1.00	1.05	5.00	.45	.50
" Hard-pan	1,316 " "	2.25	1.50	5.00	1.20	1.25
" Rock	1,552 " "	2.60	3.00	5.00	2.00	2.00
" Embankment	9,730 " "	.75	.30	.50	.35	.35
Concrete	30,532 " "	9.90	9.00	9.00	6.27	7.15
Stone ballast in cribs	1,882 " "	2.60	1.75	1.50	2.00	2.25
Stone paving	6,000 sq. yds.	2.75	2.50	1.50	2.00	1.75
Timber: For Gates, spars, quoins and sills	105,272 ft. B.M.	100.00	60.00	100.00	70.00	80.00
For cribs—Class A	142,797 " "	35.00	40.00	75.00	35.00	35.00
For cribs—Class B	82,924 " "	38.00	30.00	30.00	40.00	45.00
Bolts: Drift	15,110 lbs.	.05	.04	.05	.035	.03
Screw	1,000 "	.055	.05	.05	.04	.05
Total		$369,901	$333,255	$391,311	$237,079	$265,278

Locks and Dams, Nos. 10 and 11.

Quantities.		I. V. Hoag, Jr., Allegheny.	Hingston, Pihl & Cooper.
Grubbing and clearing		$10.00	$10.00
Excavation: Earth	8,476 cu. yds.	5.00	.45
Hard-pan	200 " "	5.00	1.40
Rock	2,713 " "	5.00	2.00
Embankment	4,000 " "	.30	.30
Concrete	21,804 " "	9.00	6.27
Stone ballast in cribs	1,048 " "	1.50	1.50
Stone paving	2,403 sq. yds.	1.50	1.50
Timber: Gates, &c.	52,636 ft. B.M.	100.00	70.00
Cribs—Class A	103,129 " "	75.00	35.00
Cribs—Class B	38,631 " "	50.00	40.00
Bolts: Drift	6,917 lbs.	.05	.03½
Screw	500 "	.05	.04
Total		$274,868	$161,809

If you want additional help, or to procure second-hand tools, machinery, plant, etc, try a "Want" card on page XXI

If you have anything to sell or to rent, we suggest that you advertise for a few weeks on one of our "For Sale" pages XXII-XXIII

If you want bids for doing any work, or for furnishing supplies, try an advertisement on a "Proposal" page XXV-XXVIII

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